

SCH-S950C

a GALAXY  TM phone

P O R T A B L E A L L D I G I T A L
S M A R T P H O N E

User Manual

**Please read this manual before operating your
phone, and keep it for future reference.**



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Samsung Telecommunications America (STA), LLC

Headquarters:

1301 E. Lookout Drive

Richardson, TX 75082

Customer Care Center:

1000 Klein Rd.

Plano, TX 75074

Toll Free Tel: 1.888.987.HELP (4357)

Internet Address:

<http://www.samsung.com>

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Section 1: Getting Started

This section helps you to quickly start using your phone.

Understanding this User Manual

The sections of this manual generally follow the features of your phone.

Also included is important safety information beginning on page 133, that you should know before using your phone.

This manual gives navigation instructions according to the default display settings. If you select other settings, navigation steps may be different.

Unless otherwise specified, all instructions in this manual assume that you are starting from the Home screen. To get to the Home screen, you may need to unlock the phone or keypad. For more information, see “*Securing Your Phone*” on page 12.

Note: Instructions in this manual are based on default settings, and may vary from your phone, depending on the software version on your phone, and any changes to the phone’s Settings.

Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your phone and any changes to the phone’s Settings.

Special Text

In this manual, you’ll find text that is set apart from the rest. These are intended to point out important information, share quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

- **Notes:** Presents alternative options for the current feature, menu, or sub-menu.
- **Tips:** Provides quick or innovative methods, or useful shortcuts.
- **Important:** Points out important information about the current feature that could affect performance.
- **Warning:** Brings to your attention important information to prevent loss of data or functionality, or even prevent damage to your phone.

Text Conventions

This manual provides condensed information about how to use your phone. To make this possible, the following text conventions are used to represent often-used steps:

- Arrows are used to represent the sequence of selecting successive options in longer, or repetitive, procedures. For example:

“From the Home screen, touch  **Menu** → **Settings** → **Wireless & network** → **Wi-Fi settings**.”

Battery


Your phone is powered by a rechargeable, standard Li-Ion battery. A Wall/USB Charger (Charging Head and USB cable) are included with the phone, for charging the battery.

Note: The battery comes partially charged. You must fully charge the battery before using your phone for the first time. A fully discharged battery requires up to 4 hours of charge time.

After the first charge, you can use the phone while charging.

Warning! Use only Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

Battery Indicator

The battery icon  in the Status Bar shows battery power level. Two to three minutes before the battery becomes too low to operate, the empty battery icon will flash and a tone will sound. If you continue to operate the phone without charging, the phone will power off.

Tip: Task Manager provides helpful information about extending battery life. For more information, see “Task Manager” on page 10.

Battery Cover

The battery is under a removable cover on the back of the phone.

Removing the battery cover

- Pull up using the slot provided, while lifting the cover off the phone.



Installing the battery cover

- Align the cover and press it firmly into place, making sure it snaps into place at the corners.

Installing and Removing the Battery

Installing the battery

1. Remove the battery cover.
2. Insert the battery into the phone, aligning the gold contacts on the battery with the gold contacts in the phone. Push down on the bottom of the battery until it snaps into place.
3. Replace the battery cover.



Removing the Battery

1. Remove the battery cover.
2. Lift the battery up and out of the phone, using the slot provided.
3. Replace the battery cover.

Charging the Battery

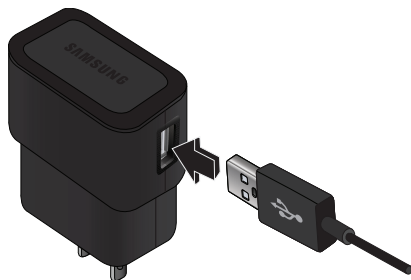
Your phone comes with a Wall/USB Charger (Charging Head and USB cable) to charge your phone from any 120/220 VAC outlet.

Note: The battery comes partially charged. You must fully charge the battery before using your phone for the first time. A fully discharged battery requires up to 4 hours of charge time. After the first charge, you can use the phone while charging.

1. On the phone, slide the connector cover to expose the connector.
2. Insert the USB cable into the port.
3. Connect the USB cable to the charging head.



4. Plug the charging head into a standard AC power outlet.



5. When charging is complete, unplug the charging head from the power outlet and remove the USB cable from the phone.

Non-Approved Batteries

Samsung phones do not support non-approved batteries.

Samsung charging accessories, such as the Wall/USB Charger, will only charge Samsung-approved batteries. If you install a non-approved battery and try to charge it, the phone will beep and display the message:

"NON-SUPPORTED BATTERY. SEE USER MANUAL".

If you receive this warning, battery charging is disabled.

Important!: Using a non-approved battery may damage your phone.

Turning Your Phone On and Off

Turning Your Phone On

- ▶ Press and hold the  **Power/Lock Key** for three seconds.

While powering on, the phone connects with the network, then displays the Home screen and active alerts.



Note: Your phone's internal antenna is located along the bottom back of the phone. Do not block the antenna; doing so may affect call quality or cause the phone to operate at a higher power level than is necessary.

Turning Your Phone Off

1. Press and hold the  **Power/Lock Key** for two seconds.
2. At the prompt, tap **Power off**.

Set-up Wizard

The first time you turn your phone on, the Setup wizard will prompt you to customize your phone. Follow the prompts to set:

- **Account Setup:** Configure access to your accounts. For more information, see “*Accounts*” on page 35.
- **My Location:** Configure your device's use of location services. For more information, see “*My Location*” on page 119.


Tip: You can also access the Set-up Wizard in Settings. From the Home screen, touch **Menu** → **Settings** → **Setup wizard**.

Your Google Account

Your new phone uses your Google account to fully utilize its Android features, including Gmail, Google Talk and the Play Store. When you turn on your phone for the first time, set up a connection with your existing Google account, or create a new Google account.

To create a Google account, or set up your Google account on your phone, use Accounts & sync settings (see “*Accounts & sync*” on page 123.)


Displaying Your Phone Number

- From the Home screen, touch  **Menu** → **Settings** → **About phone** → **Status**.

Your phone number displays under **Phone number**.

System Tutorial

Learn about important concepts to get the most out of your phone.

- From the Home screen, touch  **Menu** → **Settings** → **About phone** → **System tutorial**.

Voice Mail


All unanswered calls to your phone are sent to voicemail, even if your phone is turned off, so you'll want to set up your voicemail and personal greeting as soon as you activate your phone.

TTY Mode

Your phone is fully TTY-compatible, allowing you to connect a TTY device to the phone's headset jack. Before you can use your phone with a TTY device, you'll need to enable TTY Mode.

For more information, see “*TTY Mode*” on page 113.

Roaming

When you travel outside your home network's coverage area, your phone can roam to acquire service on other compatible digital networks. When Roaming is active, the Roaming icon  appears in the Status Bar of the display.

Tip: You can set your phone's roaming behavior. For more information, see “*Mobile networks*” on page 112.

During roaming, some services may not be available. Depending on your coverage area and service plan, extra charges may apply when making or receiving calls. Contact your service provider for more information about your coverage area and service plan.



Task Manager


Your phone can run applications simultaneously, with some applications running in the background.

Use Task Manager to see which applications are running on your phone, and to end running applications to extend battery life. You can also uninstall applications from your phone and see how much memory is used by applications.

Task Manager provides information about applications, including:

- **Active applications:** View and end running applications.
- **Downloaded:** View and uninstall application packages.
- **RAM:** View and manage use of Random Access Memory.
- **Storage:** View memory usage.
- **Help:** Useful tips for extending battery life.

1. From the Home screen, touch  **Applications** →  **Task manager**.
2. Touch the **Active applications** tab to view applications running on your phone. Touch **Exit** to end an application, or **Exit all** to stop all running applications.
3. Touch the **Downloaded** tab to view package information. Touch **Uninstall** to remove an application from your phone.
4. Touch the **RAM** tab for RAM statistics.
5. Touch the **Storage** tab for Storage memory statistics.
6. Touch the **Help** tab for information about extending battery life.

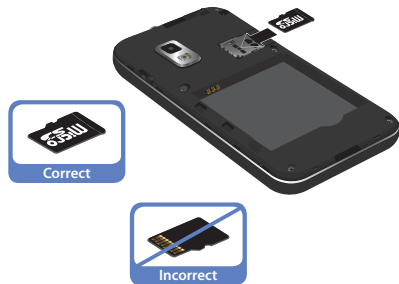
Tip: To launch Task Manager from any screen, touch and hold  **Home**, then touch **Task Manager**.

You can also access Task Manager from the **Program Monitor** widget. For more information, see “*Widgets*” on page 21.

Memory Card

Your phone supports removable microSD™ or microSDHC™ memory cards of up to 64GB capacity, for storage of music, pictures, and other files.

Note: You can only store music files that you own (from a CD or purchased with the phone) on a memory card.




Important!: To prevent damage to information stored on the memory card, always unmount the card before removing it from the phone.

Installing a Memory Card


1. Remove the battery cover. For more information, see *“Removing the battery cover”* on page 5.
2. With the gold contacts facing down, carefully slide the memory card into the slot, pushing gently until it clicks into place (1).
3. Install the battery cover. For more information, see *“Installing the battery cover”* on page 5.

Removing a Memory Card

Important!: To prevent damage to information stored on the memory card, unmount the card before removing it from the phone.

1. From the Home screen, touch  **Menu** → **Settings** → **Storage** → **Unmount SD card**.
2. Remove the rear cover. For more information, see *“Removing the battery cover”* on page 5.
3. Gently press on the memory card, then release so that it pops out from the slot, and carefully pull the card out (2).
4. Install the cover. For more information, see *“Installing the battery cover”* on page 5.

Securing Your Phone

By default, the phone locks automatically when the backlight turns off, or you can lock it manually by pressing the Power/Lock key () on the right side of your device.


For more information about creating and enabling a Screen unlock pattern, see “Screen unlock settings” on page 119.

Tip: When you use a Screen unlock pattern to secure your phone, the Emergency call feature is available on the lock screen, to allow you to make emergency calls even while the phone is locked.


For other settings related to securing your phone, see “Location & security” on page 118.

Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.


Locking Your Phone

- ▶ Press  (Power/Lock) on the upper right side of the phone to lock the display. The screen goes black.

Unlocking Your Phone

1. Press  (Power/Lock) to wake the device.
2. Swipe screen to unlock. Slide your finger across the screen in any direction to unlock your phone.

Unlocking with a Personal Screen Unlock Pattern

1. Press the  Power/Lock Key to wake the screen.
2. Draw your unlock pattern on the screen. For more information, see “Screen unlock settings” on page 119.

Section 2: Understanding Your Phone

This section outlines key features of your phone, including keys, displays, and icons.

Features

- 4-inch 800x480 Super AMOLED touch screen
- CDMA 1X/EVDO Rev-A Wireless Technology
- Android OS
- Google applications, including Google Talk and Gmail
- Play Store, plus pre-loaded applications
- Connections
 - Wi-Fi 802.11 b/g/n
 - Bluetooth 3.0
 - VPN
- Messaging Services
 - Text Messaging
 - Picture Messaging
 - Video Messaging
 - Voice Messaging
 - Email
 - Google+
 - Messenger
 - Google Talk
- 5 Megapixel CMOS Camera/Camcorder
- Picture Gallery
- Play Books
- Play Store
- HD Video Player (720p)
- DivX Certified[®] to play DivX[®] video up to HD 720p, including premium content.
- Music Player
- AllShare support with compatible device
- Speakerphone
- Voice recognition by Nuance[®]
- Support for microSD[™] and microSDHC[™] Memory Cards up to 64GB capacity
- Bluetooth[®] 3.0 Wireless Technology. For more information about supported profiles, see “*Bluetooth profiles*” on page 110.

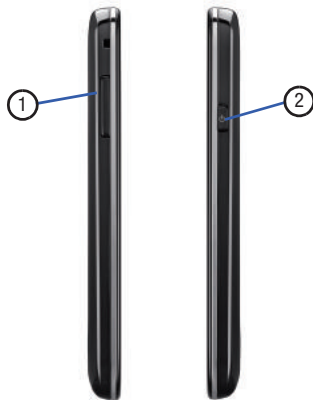
Front View



1. **Proximity Sensor** detects how close an object is to the surface of the screen. This is typically used to detect when your face is pressed up against the screen, such as during a phone call.
 - While talking on the phone, the sensor detects talk activity and locks the keypad to prevent accidental key presses.
2. **Light Sensor** lets you use the ambient light level to adjust the screen brightness/contrast. This sensor decreases screen brightness in dim light.
 - In a bright light condition (outdoors), the sensors cause the device to increase the brightness and contrast for better viewing.
 - In dim light conditions, the device increases the screen brightness to compensate.
3. **Microphone:** Using during calls to allow callers to hear your voice, and when recording.
4. **Menu Key:** Touch to display options for the current screen.
5. **Home Key:** Touch to display the Home screen. Touch and hold to display recent applications or launch Task Manager.
6. **Back Key:** Touch to return to the previous screen or option.

7. **Search Key:** Touch to launch Search, to search your device or the web.
8. **Earpiece and Sub-microphone:** Listen to callers. In Speakerphone mode, captures your voice. While recording video, captures audio. Avoid covering the sub-microphone during Speakerphone mode or when recording video.

Side Views



1. **Volume Key:** From the Home screen, press to adjust Master Volume. During calls or music playback, press to adjust volume. Press to mute the ringtone of an incoming call.
2. **Power/Lock Key:** Press and hold to turn the phone on or off. Press to lock, or to unlock the phone and wake the screen.

Back View



1. **3.5mm Headset Jack:** Plug in an optional headset or TTY equipment.
2. **Camera Lens:** Used when taking photos or recording videos.
3. **Camera Flash:** Used when taking photos.
4. **External Speaker:** Plays ringtones, call audio when in Speakerphone mode, music and other sounds.
5. **USB Power/Accessory Port:** Connect a USB cable for charging or to sync music and files.

Navigation

Navigate through your phone's features and menus using the command keys and the touch screen.

Warning! If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty.

Command Keys

Menu Key

Touch  **Menu** to display a context-sensitive menu of options for the current screen or feature.

Home Key

Touch  **Home** to display the Home screen.

Touch and hold  **Home** to launch a menu of recent applications, or to launch Task Manager.

Back Key

Touch  **Back** to return to the previous screen, option or step.

Search Key

Touch  **Search** to launch Quick Search, to search the web and your phone.

Context-sensitive Menus

While using your phone, context-sensitive menus offer options for the feature or screen. To access context-sensitive menus:

- Touch  **Menu**.
- Touch and hold on an item.

Finger Gestures

Touch

Touch items to select or launch them. For example:

- Touch the on screen keyboard to enter characters or text.
- Touch a menu item to select it.
- Touch an application's icon to launch the application.

Touch and Hold

Activate on-screen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Swipe, Flick or Slide

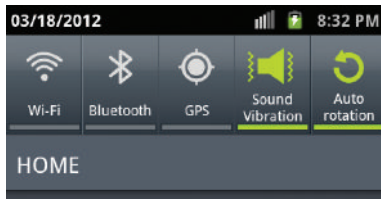
Swipe, flick or slide your finger vertically or horizontally across the screen. For example:

- Unlocking the screen
- Scrolling the Home screen or a menu

Notification Panel

The Notification Panel shows information about connections, messages and other items.

- Sweep your finger downward from the top of the screen to view the notification panel on the display.



Touch buttons at the top of the Notification Panel to toggle settings:

- **Wi-Fi:** Turn Wi-Fi on or off.
- **Bluetooth:** Turn Bluetooth on or off.
- **GPS:** Turn Standalone GPS services on or off.
- **Sound:** Activate or deactivate vibration mode. For more information, refer to “*Sound settings*” on page 114.
- **Auto rotation:** Enable or disable the Auto rotation setting, to control whether the screen automatically updates when you rotate the phone.

Clearing Notifications

1. Sweep your finger downward from the top of the screen to display the Notifications Panel.
2. Touch a notification to clear it.
– or –
Touch **Clear** to clear all notifications

Home Screen

The Home screen is the starting point for using your phone.



Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

1. **Status Bar:** Presents icons to show network status, battery power, and connection details. For a list of icons, see “*Status Bar*” on page 20.
2. **Home screen:** The starting point for using your phone. Place icons, widgets and other items to customize your phone to your needs. For more information, see “*Home Screen*” on page 18.
3. **Primary Shortcuts:** Shortcuts to your phone’s common features. For more information, see “*Primary Shortcuts*” on page 21.
4. **Shortcuts:** Shortcuts to common applications. These shortcuts are found on the Home screen by default. For more information, see “*Shortcuts*” on page 23.
5. **Widgets:** Applications that run on the Home screen. These widgets are found on the Home screen by default. For more information, see “*Widgets*” on page 21.

Display settings

You can customize display settings to your preferences. For more information, see “*Display settings*” on page 117.

Extended Home Screen

The Home screen consists of the Home panel, plus 6 panels that extend beyond the display width to provide more space for adding shortcuts, widgets and folders.

Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the top of the display shows your current position.


Customizing the Home Screen

Customize the Home screen to suit your preferences.

- **Add Shortcuts:** For more information, see “*Shortcuts*” on page 23.
- **Add Widgets:** For more information, see “*Widgets*” on page 21.
- **Add Folders:** For more information, see “*Folders*” on page 24.
- **Change the Wallpaper:** For more information, see “*Wallpaper*” on page 25.

Adding and removing Home screen panels

Your phone comes with 7 Home screen panels. You can customize the Home screen to include up to the seven default panels, and set one panel as Home.

1. From the Home screen, touch  **Menu** → **Edit page**.
2. Sweep your finger across the screen to scroll the panels, and use these controls to configure panels:



Remove: Remove the panel from the Home screen.



Add: Scroll the panels to display the location for a panel, then touch the **Add** button. Add previously-removed panels up to the default total of seven.

Status Bar

The Status Bar displays icons to show network status, battery power, and other details.



GPS E911 Only: E911 location is active (cannot be turned off).



GPS Location Active: One or more GPS location services are active. See “My Location” on page 119.



Signal Strength: Current signal strength. The greater the number of bars, the stronger the signal.



Airplane Mode Active: All wireless communications are disabled. See “Airplane mode” on page 111.



System Alert: Check Notifications Panel for alerts.



Voice Call: A voice call is in progress.



Speakerphone: Speakerphone is enabled.



Missed Call: Displays when there is a missed call.



Battery Level: Shown fully charged.



Charging Indicator: Battery is charging.



Device Power Critical: Battery has only three percent power remaining. Charge immediately.



3G Connection Active: Phone is active on a 3G system.



USB Connected: The phone is connected to a computer using a USB cable.



New Message: You have new message(s).



New Voicemail: You have new voicemail.



New Email Message: You have new email.



Alarm Set: An alarm is active. For more information, refer to “Clock” on page 87.



Silent mode: Displays when the Sound profile is set to Silent mode and Vibrate is set to **Never** or **Only when not in silent mode**. See “Silent mode” on page 114.



Vibrate mode: All sounds are silenced, and Vibrate is set to Always or Only in Silent mode. See “Vibrate” on page 114.



SD Card Ready: An optional memory card is installed.



SD Card Removed: A memory card was uninstalled.



Bluetooth Active: Bluetooth is turned on.



Wi-Fi Active: Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).





Wi-Fi Action Needed: Action needed to connect to Wireless Access Point (WAP).



TTY: TTY Mode is active.

Primary Shortcuts

Primary Shortcuts appear at the bottom of the display. You can edit the Primary Shortcuts, except for the  **Applications** /  **Home** shortcut.

Note: When you access **Applications**, the  **Home** shortcut replaces the  **Applications** shortcut to provide quick return to the Home screen.



Phone: Launches the Phone, to make calls. For more information, see “*Making Calls*” on page 30.



Contacts: Store and manage your contacts. For more information, see “*Contacts*” on page 39.






Messaging: Send and receive messages. For more information, see “*Messaging*” on page 58.



Applications: Access your phone’s applications. For more information, see “*Applications*” on page 25.

Editing the Primary Shortcuts

1. From the Home screen, touch  **Applications**.
2. Touch  **Menu** → **Edit**.
3. Touch and hold an icon, then drag it to replace a primary shortcut.
4. When you are finished, touch  **Menu** → **Save**.

Widgets

Widgets are self-contained applications that you can place on the Home screen to access favorite features.

Adding Widgets to the Home screen

1. Navigate to the desired Home screen, then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Widgets**, then touch a widget to add it to the Home screen.

Removing Widgets

- Touch and hold the Widget until  **Remove** appears, then drag the Widget to the trash can.

Widgets



AccuWeather Clock: Display the current time and weather in the locations you specify.



Buddies now: Link to a contact from your accounts.



Calendar: Launch the Calendar. For more information, see “*Calendar*” on page 85.



Calendar Clock: Display an analog clock with the current date.



Daily briefing: Monitor the weather, financial information, news and your schedule from one convenient location on the Home screen. Appears on the Home screen by default. For more information, see “*Daily Briefing*” on page 87.



Days: Keep a daily diary, check weather for your location.



Digital clock: Displays the time in digital format.



Dual clock: Displays the time in two time zones.



Feeds and Updates: Display feeds from your Facebook, MySpace, and Twitter accounts, and post an update to your accounts, right from the Home screen. Appears on the Home screen by default. For more information, see “*Feeds and Updates*” on page 39.



Google Search: Perform Google searches from the Home screen. You can choose to search the Web, Apps, Contacts, or All.



Google+: Share updates and see what is going on around you with Google+ for mobile.



Home screen tips: View tips about using your phone's Home screens.



Latitude: Locate your friends and share, or hide, your location.



Music: Control music playback from the Home screen.



Picture frame: Display a picture from the Gallery on the Home screen.



Play Store: Download applications from the Play Store. For more information, refer to “*Play Store*” on page 99.



Power control: Control Wi Fi, Bluetooth, and GPS connections, and set automatic synchronization and brightness settings.



Program Monitor: Display the number of active applications. Touch to launch Task Manager. For more information, see “*Task Manager*” on page 10.



Traffic: Check the traffic conditions for a set destination.



Y! Finance Clock: View information about your selected stocks.



YouTube: Search YouTube and watch videos.

Shortcuts

Use Shortcuts for quick access to applications or features.

Adding Shortcuts from the Home screen

1. Navigate to a Home screen panel, then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Shortcuts**, then touch a selection.
3. Follow the prompts to configure the Shortcut and add it to the Home screen.



Applications: Launch an application. For a list, see “*Applications*” on page 25.



Bookmark: Launch a bookmarked web page.



Contact: Link to a specific contact.



Direct dial: Automatically call a contact you specify.



Direct message: Create a message to a contact you specify.



Directions & Navigation: Access directions and navigation info to a favorite location.




Music playlist: Control playback for a saved playlist.



Settings: Link to a favorite or often-used setting.

Adding Shortcuts from Applications

1. Navigate to a Home screen panel.
2. Touch  **Applications**.
3. Touch and hold on an application icon. The Shortcut icon is automatically placed on the selected Home screen.

Removing Shortcuts

- ▶ Touch and hold the Shortcut until  **Remove** appears, then drag the Shortcut to .

Folders

Place Folders on the Home screen to organize items together on the Home screen.

1. Navigate to the desired Home screen, then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Folders**, then touch a selection:



New folder: Create a new empty folder.



All contacts: Create a folder containing all contacts.



Contacts with phone numbers: Create a folder containing contacts with stored phone numbers.



Received list from Bluetooth: Create a folder containing a list of items received via Bluetooth.





Recent documents: Create a folder containing documents opened recently with ThinkFree Office.



Starred contacts: Create a folder containing contacts marked as Favorites.

Removing Folders

- ▶ Touch and hold the Folder until  **Remove** appears, then drag the Folder to .

Wallpaper

Choose a picture to display in the background of the Home screen. You can choose from pre-loaded wallpaper images, or select a picture you've taken with the Camera or downloaded.

1. From the Home screen, touch and hold on the screen to display the **Add to Home screen** menu, then touch **Wallpapers**.

— or —


From the Home screen, touch  **Menu** → **Wallpaper**.

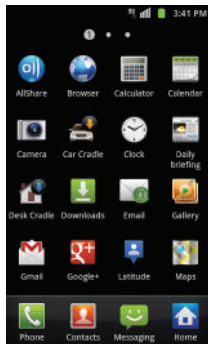
2. Choose a source for images:
 - **Gallery:** Access the Gallery to choose a picture from an installed memory card. Touch a picture to select it, then use the crop tool to resize the picture, if desired. Touch **Save** to save the picture as wallpaper.
 - **Live wallpapers:** Choose from pre-loaded interactive animated wallpapers. Touch a wallpaper to see an example, then touch **Set wallpaper**.
 - **Wallpaper gallery:** Choose from pre-loaded wallpaper images. Touch a wallpaper, then touch **Set wallpaper**.

Applications

The Applications screen holds applications installed on your wireless device. Applications that you download and install from the Play Store or from the web are also added to the Applications screen.

You can place shortcuts to applications on the Home screen for quick access to the application. For more information, see *“Adding Shortcuts from Applications”* on page 24.



1. From the Home screen, touch  **Applications**.
2. Slide your finger left or right to scroll the Applications screens.
3. Touch an icon to launch the application.





Customizing the Applications Screens

Choosing a view


By default, application icons appear in Grid view. You can change the view to list view.

1. From the Home screen, touch  **Applications**.
2. Touch  **Menu** → **List View**.

Moving Application icons

1. From the Home screen, touch  **Applications**.
2. Touch  **Menu** → **Edit**.
3. Touch and hold an application icon, then drag it to a new location.

Tip: You can place Applications on the Primary Shortcuts bar, to allow access to the application from any screen. For more information, see *“Editing the Primary Shortcuts”* on page 21.

4. When you are finished, touch  **Menu** → **Save**.

Applications



AllShare: Synchronize your phone with your TV. For more information, see *“AllShare”* on page 85.



Browser: Access the Internet. For more information, see *“Browser”* on page 67.



Calculator: Perform mathematical calculations. For more information, see *“Calculator”* on page 85.



Calendar: Record events and appointments to manage your schedule. For more information, see *“Calendar”* on page 85.



Camera: Take pictures or record videos. For more information, see *“Camera”* on page 74.



Car Cradle: Operate your phone with an optional Car Cradle accessory. For more information, see *“Car Cradle”* on page 87.



Clock: Keep track of time with Alarm, World clock, Stopwatch and Timer features.



Contacts: Save and manage contact information for your friends and colleagues. Appears in the Primary Shortcuts by default. For more information, see *“Contacts”* on page 39.



Daily briefing: Monitor weather, financial information, news and your schedule, from one application. For more information, see *“Daily Briefing”* on page 87.



Desk Cradle: Operate your phone with an optional Desk Cradle accessory. For more information, see *“Desk Cradle”* on page 88.



Downloads: Use to view, reopen, or delete items you have downloaded.



Email: Send and receive email from your phone. For more information, see *“Email”* on page 62.



Gallery: View and manage pictures stored on your phone, or on an optional installed memory card. For more information, see *“Gallery”* on page 78.



Gmail: Send and receive emails via Gmail, Google’s web-based email. For more information, see *“Gmail”* on page 60.



Google Search: Use Google to search the Web, and for content on your phone, including apps, books, contacts, memo, messaging, music, music player, and voice search.



Google+: Share updates and see what is going on around you with Google+ for mobile. For more information, refer to *“Google +”* on page 65.



Latitude: Locate your friends on a map, and share or hide your location.



Maps: Find your current location, get directions, and other location-based information. For more information, refer to *“Maps”* on page 92.



Memo: Create text memos, and send memos via Bluetooth. For more information, see *“Memo”* on page 94.



Messaging: Send and receive messages. For more information, see *“Messaging”* on page 58.



Messenger: Allows you to bring groups of friends together into a group conversation. For more information, refer to *“Messenger”* on page 65.



Mini Diary: Allows you to keep a diary of your daily activities and to attach pictures. You can publish diary entries to Facebook and MySpace.



Music: Purchase and download, manage, and play music.



Music Player: Play music stored on an optional installed memory card. For more information, see *“Music Player”* on page 72.



My Files: Find, view and manage files stored on an optional installed memory card. For more information, see *“My Files”* on page 96.



Navigation: Search for locations, and get turn-by-turn directions. For more information, refer to *“Navigation”* on page 96.



Phone: Make and answer calls. Appears by default in Primary Shortcuts. For more information, see *“Call Functions”* on page 30.



Places: Use your location services to help you find destinations.



Play Books: Provides access to read over 3 million ebooks on the go.



Play Store: Formerly known as the “Android Market”, it provides access to downloadable applications, games, music, and movies. The Play Store also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone. For more information, refer to *“Play Store”* on page 99.



Settings: Configure your phone to your preferences. For more information, see *“Settings”* on page 108.



Talk: Chat with other Google Talk users.



Task manager: View and manage active applications. For more information, see *“Task Manager”* on page 10.



ThinkFree Office: View and manage files in a Microsoft® Office-compatible software suite. For more information, see *“ThinkFree Office”* on page 102.



Video Player: Play and manage videos stored on an installed memory card. For more information, see *“Video Player”* on page 77.



Voice Commands: Speak commands to make calls, and to launch other phone features. For more information, see *“Voice Commands”* on page 102.



Voice Recorder: Record your voice or other sounds, and share recordings via Bluetooth, Messaging, or Gmail. For more information, see *“Voice Recorder”* on page 105.



Voice Search: Perform a Google search by speaking your search terms. For more information,



Write & Go: Capture ideas, then choose a format for sending via Gmail, saving to the Calendar or as a memo, or posting it to Facebook. For more information, see *“Write & Go”* on page 106.



YouTube: View and upload YouTube videos, right from your phone. For more information, refer to *“YouTube”* on page 106.

Section 3: Call Functions

This section describes how to make, answer or end calls.

Making Calls




Your phone offers multiple ways to make calls:

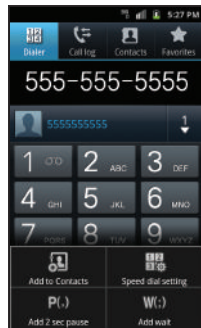
- Use the touch screen **Phone Dialer** to enter the phone number or speed dial number.
- Call a contact from **Contacts**.
- Call a contact from **Favorites**.
- Return a call, or call a recent caller, from **Call log**.
- Voice dial using **Voice Commands**.

Making Calls Using the Phone Dialer

1. From a Home screen, touch  **Phone**.

2. Touch the digits of the telephone or speed dial number on the **Dialer** keypad. While dialing, use these options:


- Touch  **Menu** → **Add to Contacts** to add the number you entered to a new contact, or to update an existing contact.
- Touch  **Menu** → **Speed dial setting** to dial or set Speed Dials.
- Touch  **Menu** → **Add 2 sec pause** to insert a 2-second pause in the telephone number.
- Touch  **Menu** → **Add wait** to insert a Wait pause in the telephone number, to pause dialing to wait for input from you.



3. Touch  to place the call.

Making Calls using Speed Dials



Speed Dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact. For more information about setting speed dials, see “*Speed Dials*” on page 48.

1. From a Home screen, touch  **Phone**.
2. Touch the digits of the speed dial number on the Dialer keypad, holding the last digit until the number dials.

Making Calls from Contacts

A contact is an entry that you have created to store the name, numbers, and other information for people or groups of interest.

For more information, see “*Contacts*” on page 39.




1. From a Home screen, touch  **Contacts**.
2. Find the contact and touch it to open the Contact entry.
3. Touch  to dial the default number for the Contact.

Making Calls using Voice Commands

Place a call by speaking the name or number. For more information, see “*Voice Commands*” on page 102.




Making Calls using Favorites

Favorites are contacts that you designate as favorites by starring them. For more information about creating favorites, see “*Favorites*” on page 44.

1. From a Home screen, touch  **Phone**.
2. Touch  **Favorites** to display favorites.
3. Find the contact and touch it to open the Contact entry.
4. Touch  to dial the default number for the Contact.

Making Calls from Call Log


Return a call, or call a number from a recent call stored in Call log. For more information about Call log, see “*Call Log*” on page 34.

1. From the Home screen, touch  **Phone**.
2. Touch  **Call log** to display recent calls.
3. Find a call, then touch the entry and touch  to dial the number.

3-Way Calling (Multi-Party Calling)

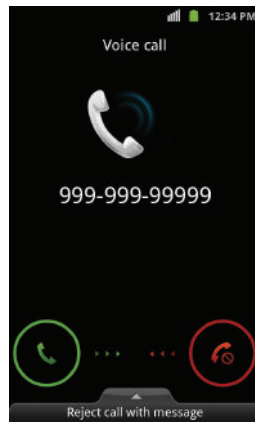
Merge two calls to set up a three-way call between you and two other parties.

Setting up a Multi-Party Call

1. Establish a call, either by dialing or answering an incoming call.
2. Touch **Add Call**. The first call is placed on hold, and the **Dialer** displays.
3. Enter the second phone number, then touch .
4. Touch **Merge**. The two calls are joined into one, 3-way call.

Answering Calls

To answer incoming calls, touch and slide the icons on the display to answer or reject the call.



Tip: To silence the ringtone for an incoming call, press the **Volume Key** down.

Sending Calls to Voicemail

When your phone alerts you to an incoming call, you can ignore the call to send the caller to voice mail, or ignore the call and send a message to the caller.

Ignoring a call

- ▶ Touch and slide the **Ignore** icon in any direction to send the call to voicemail.

Ignoring a call with a message

1. Touch the **Reject call with message** tab and slide upward.
2. Touch **Create new message** to compose a message to send to the caller.

Note: For more information about creating ignore messages, see *"Ignore with message"* on page 113.

Answering Call-Waiting Calls

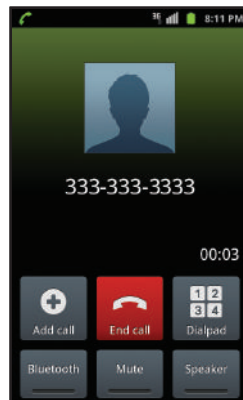
When you receive a call while on a call:

- Touch and slide **Answer** icon in any direction to answer the incoming call. The original call is placed on hold, and remains on hold until you end the second call, or swap calls back to the original call.
- Touch **Swap** to place a call on hold and return to the original call

In-Call Options

While in a call, you can use these features:

- **Dialpad:** Display a dialpad to enter numbers.
- **End call:** End the phone call.
- **Add call:** Display the Dialer to set up a multi-party call.
- **Speaker:** Enable or disable speakerphone.
- **Mute:** Mute or unmute your voice on the call.
- **Bluetooth:** Switch the call's audio to a Bluetooth headset.



Ending a Call

- Touch .



Call Log

When you place, answer, or miss a call, a record of the call is saved in the Call log.



Accessing Call Log

- From the Home screen, touch  **Phone** →  **Call log**.

Sending Messages using Call Log




1. From the Home screen, touch  **Phone** →  **Call log**.
2. Touch and hold on a call record, then select **Send message** to create a new message, with the phone number entered in the **To** list.
3. Continue creating the message.

Creating or Updating Contacts Using Call Log




1. From the Home screen, touch  **Phone** →  **Call log**.
2. Touch and hold on a call record, then select **Add to Contacts** from the pop-up menu.
3. Choose **Create contact** or **Update existing**.
4. Continue entering contact information.

Managing the Call Log

Deleting Call log records




1. From the Home screen, touch  **Phone** →  **Call log**.
2. While viewing the Call log, touch  **Menu** → **Delete**.
3. Touch call records to mark them for deletion, or touch **Select all**. A check appears in the check box to show marked records.
4. Touch **Delete** to delete marked records.

Filtering Call log records

1. From the Home screen, touch  **Phone** →  **Call log**.
2. While viewing the Call log, touch  **Menu** → **View by**.
3. Select a filter type, from **All calls**, **Missed calls**, **Outgoing Calls**, or **Incoming Calls**.

Viewing call durations

View the length of the Last call, all Dialed calls, all Received calls, or All calls.

1. From the Home screen, touch  **Phone** →  **Call log**.
2. While viewing the Call log, touch  **Menu** → **View call timer**.

Section 4: Contacts and Accounts

This section explains how to manage your contacts and accounts.

Accounts

Your phone provides the ability to synchronize information from a variety of accounts, including Google, a Corporate Exchange server, and social networking sites such as Facebook, Twitter, and MySpace. With synchronization, you can ensure that information on your phone is updated with any information that changes in your accounts.

Synchronize contacts with your Facebook, Twitter and MySpace accounts.

Note: You must register your phone with your social network site before using the phone to access the networks.


With Corporate Exchange and Google accounts you can synchronize Calendar events and Contacts.

Setting Up Your Accounts


Set up and manage your synchronized accounts with the Accounts & sync setting.

For information about setting up other, non-synchronized email accounts, see “*Configuring a new Email Accounts*” on page 62.


Adding a Google account

1. From the Home screen, touch  **Menu** → **Settings** → **Accounts & sync**.
2. Touch **Add account** → **Google**.
3. At the **Add a Google Account** screen, touch **Next** to begin, then touch an option:
 - **Create:** Follow the prompts to create a new account.
 - **Sign in:** Enter your Google **Username** and **Password**, then touch **Sign In**.
4. The phone communicates with the Google server to set up your account. When complete, your Google account appears in the **Manage accounts** area of the **Accounts & sync** screen.

Managing a Google account

1. From the Home screen, touch  **Menu** → **Settings** → **Accounts & sync**.
2. Tap your Google account to display the **Data & synchronization** screen.
3. Touch a setting to enable or disable synchronization. When enabled, a check mark appears in the check box.

Adding a Corporate account

1. From the Home screen, touch  **Menu** → **Settings** → **Accounts & sync**.
2. Touch **Add account** → **Corporate**.
3. Enter your **Email address** and **Password**, then touch **Next**.
4. At the **Exchange server settings** screen, enter an updated Domain, and confirm your Username and Password information.
5. Enter your Exchange server information within the appropriate field. This field can often be populated with incorrect or out of date information.

- Exchange Server: your exchange server remote email address. Typically starts with mail.XXX.com. Obtain this information from your company network administrator.

Important! If your exchange server requires this feature, leaving this field unchecked can prevent connection.

- If your network requires SSL encryption, tap the Use secure connection (SSL) field to place a check mark in the box and activate this additional level. Most often, this option should be enabled.
 - If your network requires that you accept SSL certificates, tap the Accept all SSL certificates field to place a check mark in the box and activate this additional level. Most often, this option is not required. Confirm this information with your IT Administrator.
6. Confirm your information and touch **Next**. The phone communicates with the server to confirm your account.
 7. At the **Account options** screen, select account settings, then touch **Next**.
 8. At the **Set up email** screen, enter a name for the account (this name will display on screen), and enter your name to appear on outgoing messages. Touch **Done** to complete set-up.
- Your Corporate account then appears in the Manage accounts area of the Accounts & sync screen, and in the Email application.

Note: If prompted to activate your device administration feature, touch **Activate**.

Managing a Corporate Exchange account

1. From the Home screen, touch  **Menu** → **Settings** → **Accounts & sync**.
2. Touch your Corporate account to display settings, then touch **Account settings** to configure any of these settings:
 - **General settings**
 - **Account name:** Enter a name to identify the account.
 - **Default account:** Touch to assign or un-assign this account as the default account for sending email from your phone.
 - **Always Cc/Bcc myself:** Include my email address in Cc/Bcc line.
 - **Exchange sync settings**
 - **Email notifications:** Enable or disable display of a new email icon in the Status Bar when new mail arrives.
 - **Amount to synchronize:** Assign the sync range for your incoming and outgoing email messages between your phone and your external exchange server. How many days worth of email messages should the phone and server synchronize. Choose from: 1 day, 3 days, 1 week, 2 weeks, or 1 month.
 - **Empty Server Trash:** Allows you to delete your email account's trash bin remotely.
 - **Sync schedule:** Allows you to configure your email sync schedule.

- **Out-of-office Settings:** Allows you to configure your out of office email settings.
 - **Size to retrieve emails:** Allows you to configure the incoming email size allowed to pass through to your phone automatically without user interaction. Emails with attachments larger than configured will have to be retrieved manually.
 - **Security Policies:** Allows you to enable several security options such as: access to Bluetooth Mode, Email, Wi-Fi, Camera, and Security policy list. These security policies could restrict some functions from corporate servers. The security policy list displays the current email's security policy. These policies could restrict some functions from corporate servers.
- **Notification settings**
 - **Email notifications:** Enable or disable display of a new email icon in the Status Bar when new mail arrives.
 - **Select ringtone:** Assign a ringtone for new email notifications.
 - **Vibrate:** Enable or disable vibration with new email notifications.
 - **Server settings**
 - **Exchange server settings:** Modify server settings.
 - **Sync Email:** Enable to synchronize your Exchange email between your phone and remote server.
 - **Sync contacts:** Enable to synchronize your Exchange contacts with your phone's Contacts.
 - **Sync calendar:** Enable to synchronize your Exchange calendar with your phone's calendar.

- **Signature settings**

- **Add signature:** Enter your signature, to be used in outgoing emails.
- **Signature:** Choose a signature to display.

- **Common settings**


- **Confirm Email Delete:** When enabled, prompts you with an on-screen notification to re-confirm the current deletion process.

3. Under **Data & synchronization**, configure these settings:

- **Sync Contacts:** When enabled, synchronizes your Exchange contacts with your phone's Contacts.
- **Sync Calendar:** When enabled, synchronizes your Exchange contacts with your phone.


Setting Up a Facebook account

Note: You must register your phone with Facebook before using the phone to access the site. From your Facebook account, go to Account Settings and follow the "Activate a Phone" registration instructions.

1. From the Home screen, touch  **Menu** → **Settings** → **Accounts & sync** → **Add account** → **Facebook**.
2. Enter your Email and Password, then touch **Log in**.
3. Follow the prompts to complete the set-up.


Setting Up a Twitter account

Note: You must register your phone with Twitter before using the phone to access the site. From Twitter.com Settings, follow the instructions in the Mobile area to register your phone.

1. From the Home screen, touch  **Menu** → **Settings** → **Accounts & sync** → **Add account** → **Twitter**.
2. Enter your Email and Password, then touch **Log in**.
3. Follow the prompts to complete the set-up.

Setting Up a MySpace account


Note: You must register your phone with MySpace before using the phone to access the site. From the MySpace Account Settings, follow the "Mobile Activation" registration.

1. From the Home screen, touch  **Menu** → **Settings** → **Accounts & sync** → **Add account** → **MySpace**.
2. Enter your Email and Password, then touch **Log in**.
3. Follow the prompts to complete the set-up.

Feeds and Updates

Feeds and Updates displays feeds from your Facebook, MySpace, and Twitter accounts, and allows you to post an update to your accounts, right from the Home screen.


Tip: The Feeds and Updates widget can be downloaded from within the Widgets application list. For more information about placing widgets on the Home screen, see “*Widgets*” on page 21.

1. Locate the Feeds and Updates widget from your screen.
2. From the Home screen, touch  **Setup** on the Feeds and Updates widget to configure your preferences.

Note: When you set up Facebook, MySpace and Twitter accounts on your phone, your accounts automatically appear in Feeds and Updates.



Contacts

To access Contacts:








- From the Home screen, touch  **Contacts**.

Display Options

Choose which contacts to display, and how to display them.

1. From the Home screen, touch  **Contacts**, then touch  **Menu** → **More** → **Display options**.
2. Configure these Display options:
 - **Only contacts with phones:** Touch to restrict display to contacts that include phone numbers.
 - **Sort by:** Choose to list contacts by First name or Last name.
 - **Display contacts by:** Choose to list contacts First name first or Last name first.
3. Choose contacts to display, by account.

Creating Contacts

1. From the Home screen, touch  **Contacts** → .
2. At the **Save contact to** prompt, touch an account for saving the contact (available options depend on the accounts you have set up):
 - **Phone**: Save to the phone's Contacts.
 - **Google**: Save to your Google account.
 - **Corporate**: Save to your Corporate Exchange account.
3. Touch contact fields to enter information:
 - Touch **Photo ID** to choose a picture to identify the contact.
 - Touch **First name**, then enter a first name for the contact.
 - Touch **Last name**, then enter a last name for the contact. After entering a last name touch  to enter a **Name prefix**, **Middle name**, **Name suffix**, **Phonetic given name**, **Phonetic middle name**, or **Phonetic family name**.
 - Touch **Phone number** to enter a phone number, then touch the label button to choose a label, from **Mobile**, **Home**, **Work**, **Work Fax**, **Pager**, **Other**, or **Custom** to create a custom label. To add another number, touch .
 - Touch **Email address** to enter an email address, then touch the label button to choose a label, from **Home**, **Work**, **Mobile**, **Other**, or **Custom** to create a custom label. To add another address, touch .
- Touch **Instant msg** to enter an instant message address, then touch the label button to choose a label, from **Google Talk**, **AIM**, **Windows Live**, **Yahoo**, **Skype**, **QQ**, **ICQ**, **Jabber**, or **Custom** to create a custom label. To add another IM, touch .
- Touch **Groups** to assign the contact to a group. For more information about Groups, see “Groups” on page 45.
- Touch **Ringtone** to choose a ringtone for calls from this contact.
- Touch **Postal address** to enter a mailing address for the contact.
- Touch **Organization** to enter a company or other affiliation.
- To add more fields, tap **More** to enter **Notes**, **Nickname**, **Website**, **Internet call**, **Birthday**, or **Anniversary**.
4. When you finish entering information, touch .


Creating Contacts from Call log

Save a phone number from a recent call record to create a new contact, or update an existing contact.

For more information, see “Creating or Updating Contacts Using Call Log” on page 34.



Creating Contacts from the Phone Dialer

Enter a phone number with the Phone Dialer keypad, then save it.

1. From a Home screen, touch  **Phone**.
2. Touch the digits of the phone number on the **Dialer** keypad.
3. Touch **Add to Contacts**, then select **Create contact** from the pop-up menu.
4. Continue entering contact information. For more information, see “*Creating Contacts*” on page 40.

Updating Contacts

Make changes to update an existing contact.

1. From the Home screen, touch  **Contacts**.
2. Touch a contact to view its information, then touch  **Menu → Edit**.


— or —

Touch and hold on a contact, then select **Edit** from the pop-up menu.

3. Continue entering contact information. For more information, see “*Creating Contacts*” on page 40.

Updating Contacts from the Phone Dialer

Enter a phone number with the Phone Dialer keypad, then save it.

1. From a Home screen, touch  **Phone**.
2. Touch the digits of the phone number on the **Dialer** keypad.
3. Touch **Add to Contacts**, then select **Update existing** from the pop-up menu.
4. Select a contact to update, then touch **Save**, or continue entering contact information. For more information, see “*Creating Contacts*” on page 40.

Updating Contacts from Call log



Save a phone number from a recent call record to create a new contact, or update an existing contact.

For more information, see “*Creating or Updating Contacts Using Call Log*” on page 34.



Get Friends

Use the Get Friends feature to sync with your accounts. You can choose from an account you've already set up on your phone, or set up a new account.

For more information about setting up accounts on your phone, see *"Setting Up Your Accounts"* on page 35.

1. From the Home screen, touch  **Contacts**.
2. Touch  **Menu** → **Get friends**.
3. Touch **Add Account** → **Add account**, then select an account.
4. Follow the on-screen instructions to login to the selected account.
5. Select the synchronization categories you wish to setup with your account.

To sync your Contacts:

1. From the Home screen, touch  **Contacts**.
2. Touch  **Menu** → **Sync SNS data**.



Joined Contacts

Your phone can synchronize with multiple accounts, including Google, Corporate Exchange, and other email providers, plus social networking sites like Facebook, Twitter, and MySpace. When you synchronize contacts from these accounts with your phone, you may have multiple contacts for one person.


Joining imported contact records to a phone contact allows you to see all the contact's numbers and addresses together in one Contact entry. Joining also helps you keep your contacts updated, because any changes that your contacts make to their information in the respective accounts is automatically updated the next time you synchronize with the account.

Note: Phone contacts are always the primary contact for joining. You can join imported contacts to a Phone contact, but the Phone contact will always display; the imported contact will show as the joined contact.

Joining contacts

1. From the Home screen, touch  **Contacts**.
2. Touch a Phone or Google contact to display its information.
– or –
Touch a contact saved in your Google account.
3. Touch  **Menu** → **Join contact**.
4. Touch an imported contact record to join it to the Phone contact.

Unlinking contacts



1. From the Home screen, touch  **Contacts**.
2. Touch a contact to display its information.
3. Touch the **Joined Contacts** field to display linked contacts.
4. Touch a contact to remove the join from the displayed contact.

Sending Namecards

Sending a Namecard (vCard)



You can send a contact namecard as a vCards via Bluetooth to other Bluetooth devices, or via Gmail as an attachment.

Important!: Not all Bluetooth devices will accept contacts, and not all devices support transfers of multiple contacts. Check the target device's documentation.

1. From the Home screen, touch  **Contacts**.
2. Touch a contact to display its information.
3. Touch  **Menu** → **Send via**.
4. At the prompt, choose a sending method, then follow the prompts to send the namecard:
 - **Bluetooth:** For more information about sending via Bluetooth, see “*Bluetooth*” on page 82.
 - **Email:** For more information about sending Email, see “*Composing and Sending Email*” on page 64.
 - **Gmail:** For more information about sending Gmail, see “*Composing and Sending Gmail*” on page 61.

Exporting and Importing Contacts

You can export your contact list to an optional installed memory card, or import a list of contacts (previously exported) from a memory card.


1. From the Home screen, touch  **Contacts**.
2. Touch  **Menu** → **Import/Export**.
3. Touch an option:
 - **Import from SD card:** Import contacts from an installed memory card. Choose whether to save contacts to the Phone or Google.
 - **Export to SD card:** Export all contacts to an installed memory card.
 - **Send namecard via:** Choose contacts to export, then choose an sending method, Bluetooth, Email, or Gmail.
4. Follow the prompts to complete the operation.

Favorites

Mark contacts with a star to identify them as Favorites.

Favorites display on the Favorites tab in the Phone Dialer, for fast dialing or messaging, and are indicated by the ★ in Contacts.




Creating Favorites

1. From the Home screen, touch  **Contacts**.
2. Touch and hold on a contact, then select **Add to favorites** from the pop-up menu.
— or —
Touch a contact to display it, then touch the ★ **Star** at the top right of the screen.

My Profile




My profile is your own contact record. You can send My profile as a vCard via Bluetooth or as an attachment via Gmail.

Viewing My Profile

1. From the Home screen, touch  **Contacts**.
2. Touch  **Menu** → **My profile** to display your contact information.
3. To add information to your profile, touch  **Menu** → **Edit**.
For more information, see “*Creating Contacts*” on page 40.

Sending My Profile


You can send My Profile as a vCard via Bluetooth to other Bluetooth devices, or as an attachment to a Gmail.

1. From the Home screen, touch  **Contacts**.
2. Touch  **Menu** → **My profile** to display your contact information.
3. Touch  **Menu** → **Send namecard via**.
4. Choose a sending method, **Bluetooth**, **Email**, or **Gmail**, then follow the prompts to send the profile.




Groups

Assign contacts to Groups to make searching for contacts faster, or to quickly call or send messages to group members.




Accessing Groups

- From the Home screen, touch  **Contacts** → **Groups**.




Creating a New Group

1. From the Home screen, touch  **Contacts** → **Groups**.
2. Touch  **Menu** → **Create**.
3. Touch the **Name** field to enter a Group Name.
4. Touch **Ringtone** to choose a ringtone for calls from members of this group. Touch **Default Ringtone**, **Sound**, or **Phone ringtone** to select a new ringtone.
5. Touch  to save the new group.

Editing a Group



1. From the Home screen, touch  **Contacts → Groups**.
2. Touch a Group to display it.
3. Touch  **Menu → Edit group**.
4. Touch the **Group Name** field to change the Group Name.
5. Touch **Ringtone** to choose a ringtone for calls from members of this group. Touch **Default Ringtone, Sound**, or **Phone Ringtone** to select a new ringtone.
6. Touch  to save the changes.

Deleting a Group

1. From the Home screen, touch  **Contacts → Groups**.
2. Touch  **Menu → Delete**.
3. Touch a group to mark it for deletion, or touch **Select all** to mark all groups. When selected, a check mark appears in the check box.
4. Touch . At the prompt, choose a delete option:
 - **Group only:** Delete the group only, not the contacts that are members of the group.
 - **Group and group members:** Delete the group, and all contacts that are members of the group.




Adding Contacts to a Group

Tip: You can also add a contact to a group when you create the contact. For more information, see “*Creating Contacts*” on page 40.




1. From the Home screen, touch  **Contacts → Groups**.
2. Touch a **Group** to display it, then touch  **Menu → Add member**.
3. Touch contact(s) to mark them for addition, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.
4. Touch **Add** to add the selected contact(s).

Removing Contacts from a Group

Tip: You can also add a contact to a group when you edit the contact. For more information, see “*Updating Contacts*” on page 41.



1. From the Home screen, touch  **Contacts → Groups**.
2. Touch a **Group** to display it.
3. Touch  **Menu → Remove member**.
4. Touch contact(s) to mark them for removal, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.
5. Touch  to remove the selected contact(s).

Sending a Message to Group Members

1. From the Home screen, touch  **Contacts → Groups**.
2. Touch a **Group** to display it.
3. Touch  **Menu → Send Message**.
4. Touch contacts to mark them as recipients for the new message, then touch .
5. The new message opens, with the marked contacts as recipients. Continue creating the message, as desired. For more information, see “*Creating and Sending Messages*” on page 58.

History

History displays all calls, messages, emails, IMs, and Facebook, MySpace and Twitter messages sent and received from contacts.

1. From the Home screen, touch  **Contacts → History**.
2. A list of calls, messages and emails displays, sorted by time, with most recent first.
3. Touch  **Menu** for these options:
 - **Delete:** Erase history records.
 - **View by:** Filter records by type. Choose from **Call**, **Message**, **Facebook**, **MySpace**, or **Twitter**.

Activities

Use Activities to view updates to Contacts from your social networking accounts, such as Facebook, Twitter or MySpace.

Note: If you haven't updated Contacts from any accounts, the Activities tab will be blank.


- From the Home screen, touch  **Contacts → Activities**.

Speed Dials




Speed Dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact.

Note: Speed Dial 1 is reserved for Voicemail.

Assigning Speed Dials

1. From the Home screen, touch  **Contacts**.
2. Touch  **Menu → More → Speed dial**.
3. A list of speed dials displays. Touch a speed dial, then touch a contact to assign the contact to the speed dial.

Removing or Reassigning a Speed Dial

1. From the Home screen, touch  **Contacts**.
2. Touch  **Menu → More → Speed dial**.
3. Touch  **Menu**, then touch an option:
 - **Remove:** Touch a speed dial to remove it.
 - **Change order:** Touch and hold a speed dial, then drag it to a new location in the list.

Section 5: Entering Text

This section describes how to select the desired text input method when entering characters into your phone. This section also describes the predictive text entry system that reduces the amount of key strokes associated with entering text.

Your phone comes equipped with an orientation detector that can tell if the phone is being held in an upright (Portrait) or sideways (Landscape) orientation. This is useful when entering text.

Your phone also provides several on-screen keypad text entry options to make the task of text entry that much easier. The default input method is Swype.

Text Input Methods

Your phone offers two text input methods:


- **Android keyboard:** The Android Keyboard is a virtual QWERTY keyboard that allows you to enter text by touching keys on the screen. Android Keyboard includes predictive text, which matches your key touches to common words so that you can select the word to enter it into your text.
- **Samsung keypad:** The Samsung Keypad is a virtual QWERTY keyboard that allows you to enter text by touching keys on the screen. Samsung Keypad includes predictive text, which matches your key touches to common words so that you can select the word to enter it into your text.

- **Swype:** Swype is a new text input method that allows you to enter words by gliding your finger over the virtual QWERTY keyboard, lifting your finger between words. You can also enable Word prediction, which matches your key touches to common words.

Changing the Input Method

The Text Input Method can be assigned from within one of two locations:

Settings Menu:

- From the Home screen, touch  **Menu** → **Settings** → **Language and keyboard** → **Select input method**.

Text Input field:

1. From a screen where you can enter text, touch and hold the text input field to open the context-menu.
2. Select the input method (**Android keyboard**, **Samsung keypad** or **Swype**).

Entering Text Using the Android Keyboard

The Android Keyboard is a custom virtual QWERTY keyboard, featuring predictive text. Input characters by tapping the on-screen keys with your finger, or use speech recognition.

As you enter characters, predictive text matches your key touches to common words and displays them. Select a word from the display to insert it into your text.


Configuring Android Keyboard

Configure the Android Keyboard to your preferences.

- For more information, see “*Android keyboard*” on page 127.
- While entering text, touch  (**Android keyboard settings**).


Tip: To customize predictive text, configure the User dictionary settings. For more information, refer to “*User Dictionary*” on page 126.

Entering Upper and Lower Case Letters

The default case is lower case (abc). Enter upper and lower case alphabet letters by touching  to toggle the case, before touching the letter key(s).

- Touch once to switch from lowercase (abc) to initial uppercase (Abc) mode
- Touch and hold to switch to all uppercase (ABC) mode

Entering Symbols and Numbers

To enter common symbols, touch  to switch to symbol mode, then touch the corresponding key.

To enter less-common symbols, touch  → , then touch the corresponding key. Press  again for more symbols.

Enter numbers by touching , then touching the number keys.

Using Android Speech Recognition

Enter text by speaking. Android Keyboard recognizes your speech and enters text for you.

Note: Enable Speech Recognition in Android Keyboard settings. For more information, see “*Android keyboard*” on page 127.


- Touch the  **Speech Recognition Key**.

Entering Text Using the Samsung Keypad

The Samsung keypad is a custom virtual QWERTY keyboard, featuring optional XT9 predictive text. Input characters by tapping the on-screen keys with your finger, or use speech recognition.

You can enable XT9 predictive text to have the Samsung keypad match your key touches to common words and display them. Select a word from the display to insert it into your text.


Configuring Samsung Keypad

Configure the Samsung keypad to your preferences. While entering text using the Samsung keypad, touch  **Settings** to open and modify the Samsung keypad settings.

Entering Upper and Lower Case Letters

The default case is Abc, so the first word of sentences is automatically capitalized.

To enter upper and lower case letters:

- Touch  **Shift** to toggle the case.
- Touch once to switch from lowercase (abc) to initial uppercase (Abc) mode
- Touch and hold to switch to all uppercase (ABC) mode

Entering Symbols and Numbers


To enter common symbols:

- Touch  to switch to a symbols keypad.
- Touch and hold  for a pop-up menu of symbols and emoticons.

To enter other symbols, touch , then touch  to scroll through three sets of symbols and emoticons.

To enter accented letters or other special letters, touch and hold on the letter to select from a pop-up menu.

To enter numbers:

- Touch  to switch to a symbols keypad.
- In number fields, such as the Phone field in Contact records, the keyboard displays a numeric keypad to make entering numbers easy.


Using Samsung Keypad Voice Input

Enter text by speaking. Samsung keypad recognizes your speech and enters text for you.


- ▶ Touch the  **Voice Input Key**, then follow the prompts.

Using XT9 Predictive Text

XT9 is a predictive text entry mode that makes text entry faster by matching your key touches to common words, or words you have saved to your settings.

1. From the Home screen, touch  **Menu** → **Settings** → **Language & keyboard** → **Samsung keypad**.

– or –

From within an active text entry screen, tap  from the bottom of the screen to reveal the **Samsung keypad settings** screen.

2. Set any of the following options:


- **Portrait keypad types** allows you to choose a keypad configuration (Qwerty Keypad [default] or 3x4 Keypad).
- **Input languages** sets the input language. Tap a language from the available list. The keyboard is updated to the selected language.
- **XT9** enables predictive text entry mode. This must be enabled to gain access to the advanced settings. For more information, refer to “*XT9 Predictive Text*” on page 52.
- **XT9 advanced settings** configuration of more advanced XT9 features.
- **Keypad sweeping** allows changing between the input modes without having to use the Input Mode key. You can “sweep” the

displayed keypad aside, in a similar manner to scrolling through the Home screens.


- **Auto-capitalization** automatically capitalizes the first letter of the first word in each sentence (standard English style).
- **Voice input** activates the Voice input feature. This is an experimental feature that uses Google’s networked speech recognition application.
- **Auto full stop** automatically inserts a full stop by tapping the space bar twice.
- **Tutorial** launches a brief on-screen tutorial covering the main concepts related to the Samsung keypad.

XT9 Predictive Text

XT9 is a predictive text system that has next-letter prediction and regional error correction, which compensates for users pressing the wrong keys on QWERTY keyboards.

1. From the Home screen, touch  **Menu** → **Settings** → **Language & keyboard** → **Samsung keypad**.
2. Touch the **XT9** field. A check mark indicates activation.
3. Touch the **XT9 advanced settings** and configure any of the following advanced options:
 - **Word completion** tells your device to attempt to predict how to complete the word you have started. (A green check mark indicates the feature is enabled.)

- **Word completion point** sets how many letters should be entered before a word prediction is made. Choose from 2 letters, 3 letters, 4 letters, or 5 letters.
- **Spell correction** enables the automatic correction of typographical errors by selecting from a list of possible words that reflect both the characters of the keys you touched, and those of nearby characters. (A green check mark indicates the feature is enabled.)
- **Next word prediction** predicts the next word you are like to enter. (A green check mark indicates the feature is enabled.)
- **Auto-append** automatically adds predictions to the word you are typing. (A green check mark indicates the feature is enabled.)
- **Auto-substitution** allows the device to automatically replace misspelled or miskeyed words. This option reduce “typos.” (A green check mark indicates the feature is enabled.)
- **Regional correction** automatically tries to correct errors caused when you tap keys adjacent to the correct keys. (A green check mark indicates the feature is enabled.)
- **Recapture** sets the device to redisplay the word suggestion list after selecting the wrong word from the list.
- **XT9 my words** allows you to add new words to the built-in XT9 dictionary.
 - Tap **Add word**.
 - Use the **Register to XT9 my words** field to enter the new word.
 - Tap **Done** to store the new word.

- **XT9 auto-substitution** allows you to create a word rule by adding words for automatic substitution during text entry (for example youve becomes you’ve).
 - Touch the XT9 auto-substitution field. Flick up or down to review the current list of word substitutions.
 - Touch  and tap **Add**.
 - Enter the original word that will be replaced in the **Shortcut** field (for example, youve).
 - Enter the substitute word that will be used in the **Substitution** field (for example, you?ve).
 - Tap **Done** to save the substitution rule.

4. Touch  to return to the previous screen.

Using Clipboard

- Touch **Attach** to attach an item from the Clipboard. Touch an item to insert it into the current field or application.


Entering Text Using Swype

Swype is a new way to enter text on touch screens. Instead of touching each key, use your finger to trace over each letter of a word. For each word, place your finger on the first letter and glide to the subsequent letters, lifting on the last letter. Here are a few tips to get you started:

- **Spacing is automatic:** When you finish a word, just lift your finger and start the next word.
- **Double letters:** Just “scribble” on the key.
- **Capitalization:** Swype recognizes and capitalizes the first word of sentences. If you want to capitalize a word that isn’t at the beginning of a sentence, just glide above the keyboard before gliding over the next letter.
- **Contractions:** Swype recognizes most words that include an apostrophe; just swype the letters of the word, including the apostrophe.
- **Punctuation:** Tap and hold a key to view a punctuation menu and make a selection.
- **Accented characters:** Just glide through the letters of the word. Swype usually recognizes the word and correctly accents the letters.
- **Error correction:** If you make a mistake, double-tap on the word you want to change.

Configuring Swype

Configure Swype to your preferences.

1. From the Home screen, touch  **Menu** → **Settings** → **Language & keyboard** → **Swype**. For more information, see “Swype” on page 126.

— or —



Before entering text in Swype mode, touch and hold the





Swype Key and configure your options.

Tip: To customize predictive text, configure the User dictionary settings. For more information, refer to “*User Dictionary*” on page 126.

Selecting a Text Input Mode in Swype

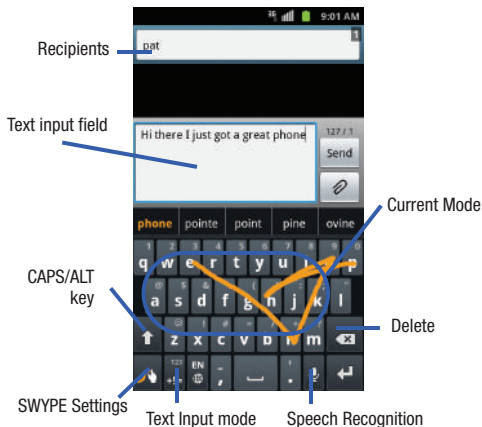
1. From a screen where you can enter text, tap the text input field to reveal the on-screen keyboard.
2. With Swype as your text entry method, select one of the following text mode options:
 - **123 ABC**  to use Swype with alphanumeric characters from the on-screen keyboard.
 - **SYM (Symbol)**  to enter numbers and symbols from the on-screen keyboard.

Tip: After typing an initial uppercase character, the  key changes to  and all letters that follow are in lower case.


Swype Keyboard Overview



- **Recipients:** a field where you can enter the recipients of the current message. You can choose from **Recent**, **Contacts**, or **Group**.
- **Text Input field:** a field where text, number, or other characters can be entered.
- **CAPS/ALT key:** When in 123ABC mode, this key changes the capitalization of the subsequent entered characters. When in SYM mode, this key can show additional symbol characters.
- **Text Input mode:** There are two available modes: **123ABC** and **SYM**.



- 123ABC mode contains alphanumeric characters and a few common punctuation marks. Text mode button indicates **SYM**.
- SYM mode contains only symbols and numbers. Text mode button indicates **123ABC**.
- **SWYPE settings:** Touch and hold to access the Swype settings screen. For more information, refer to “*Swype*” on page 126.





Using 123ABC Mode in SWYPE

In **123ABC** mode, you can enter only letters and a few common punctuation marks from the on-screen keyboard. The text mode key shows .

1. From a screen where you can enter text, tap the text input field to reveal the on-screen keyboard.
2. Tap  to configure the keyboard for 123ABC mode (showing letters and numbers on the on-screen keys). Once in this mode, the text input type shows .

Tip: After typing an initial uppercase character, the  key changes to  and all letters that follow are in lower case.

3. Swipe your finger continuously over the letters to form a word.
 - If you make a mistake, tap  to erase a single character. Touch and hold  to erase an entire word.
4. Tap **Send** to send the message.



All lowercase

Displays when the next character is entered in lowercase. Pressing this while in 123SYM mode, reveals additional numeric-symbols keys.



Initial Uppercase

Displays when the first character of each word is entered as uppercase but all subsequent characters are lowercase.




All Uppercase




Displays when all characters will be entered as uppercase characters.

By default, the first letter of an entry is capitalized and the following letters are lower case. After a word is entered and you lift your finger, the cursor automatically adds a space after the word.



Tip: If multiple word choices exist for your Swype entry, an on-screen popup appears to provide additional word choices.

Entering Numbers and Symbols in SWYPE

By using the on-screen keyboard in portrait mode, some symbols are not available (such as Emoticons or Smileys). In SYM mode using Swype, you can only enter symbols and numbers from the on-screen keyboard. Once in SYM mode, the text mode key shows .

1. From a screen where you can enter text, tap the text input field to reveal the on-screen keyboard.
2. Tap  to configure the keyboard for SYM mode. Once in this mode, the text input type shows .
3. Tap the on-screen key for the number or symbol you want to enter.
4. Touch and hold an on-screen key to enter the secondary symbol (above the main one on the same key).
5. Tap  to choose from additional symbols.

For example:

- To enter **&**: tap  and select the **&** key.
- To enter **~**: tap  and then touch and hold the **&** key.

Using Swype Speech Recognition

Enter text by speaking. Swype recognizes your speech and enters text for you.

To use Speech recognition:

- Touch the  **Speech Recognition Key**.

At the **Speak now** prompt, speak the text you want to enter.

Section 6: Messaging

This section describes how to send and receive messages, and other features associated with messaging.

Types of Messages

Your phone supports these types of messages:


- **Text messages:** Send and receive simple messages containing text to other mobile phones or email addresses (also known as SMS).
- **Multimedia messages:** Send and receive text messages with pictures and/or sound to other mobile phones or email addresses (also known as MMS).
- **Email:** Send and receive email from your email accounts, including Corporate Exchange mail.
- **Gmail:** Send and receive Gmail from your Google account.
- **Google Talk:** Chat with other Google Talk users.

Note: Messaging service availability depends on your network and service plan. Multimedia Messaging charges apply per your Calling Plan.

Text and Multimedia Messaging



Your phone can send and receive text and multimedia messages to other mobile phones and to email addresses.

Creating and Sending Messages

1. From the Home screen, touch  **Messaging → New message.**
2. Tap the **To** field and enter the recipient's name, phone number or email address.

Note: As you enter a name, phone number or email address, matching contacts appear on the screen. Touch a contact to add it to the list, or continue entering characters.

Tip: If you are creating a message with the phone in portrait mode, touch **Recent** to choose a recent recipient, **Contacts** to select contacts, or **Group** to choose a group for the To list.

3. Touch the **Type to compose** field, or touch **Next**, and compose your message. While composing a message, touch  **Menu** for these options:
 - **Add subject:** Add a subject field to the message and enter a subject. (This option also converts the message to MMS.)
 - **Attach:** Add content to the message to convert it to MMS.
 - **Pictures:** Add a picture.
 - **Capture picture:** Take a new picture.
 - **Videos:** Add a video.
 - **Capture video:** Record a new video.
 - **Audio:** Add a sound clip.
 - **Record audio:** Create a new audio clip.
 - **Slideshow:** Add a slideshow of pictures to this message.
 - **Add text:** Select text from Contacts, Calendar, or Memo to add to the message.
 - **Insert smiley:** Add a text emoticon to the message.
 - **Discard:** Discard the message.
4. Touch  to send the message.

Managing Messages

Threaded View

Messages you send and receive to the same contact, number or address are grouped together as a “thread”. Threaded messages allow you to see all the messages you exchanged with a contact, or other recipient, with the latest message displayed first.



1. From a Home screen, touch  **Messaging**.
2. Message threads display by contact, number, or address.

While viewing message threads, you have these options:

- Touch and hold a thread to choose from:
 - **View Contact / Add to contacts:** View the contact record, or save the sender/recipient's information as a new contact, or to update an existing contact.
 - **Delete thread:** Erase the entire message thread.
- Touch  **Menu** for these options:
 - **Compose:** Create a new message.
 - **Delete threads:** Touch message threads to mark them for erasure, or touch **Select all** to mark all message threads for erasure.
 - **Search:** Enter characters to search messages and recipient lists.
 - **Settings:** Configure message settings.

Message Settings



Configure message settings.

1. From a Home screen, touch  **Messaging**.
2. Touch  **Menu** → **Settings** to set:
 - **Delete old messages:** Touch to enable or disable automatic erasure of messages when stored message reach default limits. When disabled, the phone will prompt you to delete old messages.
 - **Text message limit:** Touch to set a limit for the number of text messages per thread.
 - **Multimedia message limit:** Touch to set a limit for the number of multimedia messages per thread.
 - **Delivery reports:** Touch to enable or disable a delivery report for each message you send.
 - **Auto-retrieve:** Touch to enable or disable automatic retrieval of MMS messages. When enabled, MMS messages download automatically. When disabled, the phone prompts to download new MMS messages.
 - **Roaming auto-retrieve:** Touch to enable or disable automatic retrieval of MMS messages when in Roaming mode. When enabled, MMS messages download and display automatically. When disabled, the phone prompts you to download new MMS.
 - **Notifications:** Touch to enable or disable alerts in the status bar.
 - **Screen on:** Touch to illuminate the screen for notification alerts.
 - **Select ringtone:** Touch to select a ringtone for message alerts.

- **Vibrate:** Touch to enable or disable vibration for message alerts.

Gmail



Send and receive emails via Gmail, Google's web-based email.

- From the Home screen, select  **Applications** →  **Gmail**.





Setting Up Your Gmail Account

The first time you launch Gmail, your phone will prompt you to set up your Google account.






Note: You can use more than one Google account on your phone. To add another account, use the  **Menu** → **Accounts** option.

1. From the Home screen, select  **Applications** →  **Gmail**.
2. At the **Set up your Google Account** screen, touch **Next** to begin, then touch an option:
 - **Create:** Follow the prompts to create a new account.
 - **Sign in:** Enter your Google **Username** and **Password**, then touch **Sign In**.
3. The phone communicates with the Google server to set up your account and synchronize your email. When complete, your Gmail appears in the Inbox.

Gmail Settings

1. From the Home screen, select  **Applications** →  **Gmail**.
2. Touch  **Menu** for these options:
 - **Refresh:** Update Gmail on your phone from the Google servers. Depending on your sync settings, new email should be automatically sent to your phone. If your phone has been turned off, or if you were out of coverage, you can use Refresh to manually check for new email.
 - **Compose:** Create a new email.
 - **Accounts:** View and choose from your Google account(s).
 - **Go to labels:** View Google content by label.
 - **Search:** Find Gmail items.
3. Touch  **Menu** → **More** for these options:
 - **Settings:** Access either the **General Preferences (Message Actions, Clear search history, and Clear “Show pictures”)** or Account Settings for current accounts.
 - **Help:** Get Help with using Gmail.
 - **About:** View information about Gmail.

Composing and Sending Gmail



1. From the Home screen, select  **Applications** →  **Gmail**.
2. Touch  **Menu** → **Compose**.
3. Touch the **To** field to enter recipients. As you enter names or numbers, matching contacts display. Touch a contact to add it to the field.
4. Touch the **Subject** field to enter a subject.
5. Touch **Compose Mail** to enter the text of your email.
6. While composing a message, touch  **Menu** for these options:
 - **Send:** Send the message.
 - **Save draft:** Save a copy of the message in Drafts.
 - **Add Cc/Bcc:** Create Cc (copy) and Bcc (blind copy) fields to the message. After creating the fields, touch to enter recipients.
 - **Attach:** Launch Gallery to select a picture to add to the message.
 - **Discard:** Close the message without saving.
 - **Help:** Get Help with using Gmail.
7. Touch  **Send** to send the message.

Google Talk

Google Talk™ is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts.

Tip: Talk requires that you have a Google account set up on your phone. For more information, see *“Setting Up Your Accounts”* on page 35.

Note: Before using this application, you must first have an active Gmail account available and be currently logged in.

1. From the Home screen, select  **Applications** →  **Talk**.
2. Begin using Google Talk.

Note: If you have already set up your Google account, you are automatically logged in. If you do not have a Google account, you can touch **Create** to create a new Google account.



Email



Send and receive email using popular email services.

Note: Only some paid “Plus” accounts include POP access to allow this program to connect. If you are not able to sign in with your correct email address and password, you may not have a paid “Plus” account. Please launch the Web browser to access your account.

Configuring a new Email Accounts

You can configure Email for most accounts in just a few steps.

1. From the Home screen, select  **Applications** →  **Email**.

2. If you already have other email account setup:
 - Press  **Menu** → **Accounts**.
 - Press  **Menu** → **Add account** → **Corporate**.– or –

Select **Corporate** as an email type.

3. Enter your **Email address** and **Password**, then touch **Next**.
4. At the **Exchange server settings** screen, enter an updated Domain, and confirm your Username and Password information.

5. Enter your Exchange server information within the appropriate field. This field can often be populated with incorrect or out of date information.
 - Exchange Server: your exchange server remote email address. Typically starts with mail.XXX.com. Obtain this information from your company network administrator.

Important!: If your exchange server requires this feature, leaving this field unchecked can prevent connection.





- If your network requires SSL encryption, tap the Use secure connection (SSL) field to place a check mark in the box and activate this additional level. Most often, this option should be enabled.
 - If your network requires that you accept SSL certificates, tap the Accept all SSL certificates field to place a check mark in the box and activate this additional level. Most often, this option is not required. Confirm this information with your IT Administrator.
6. Confirm your information and touch **Next**. The phone communicates with the server to confirm your account.
 7. At the **Account options** screen, select account settings, then touch **Next**.

8. At the **Set up email** screen, enter a name for the account (this name will display on screen), and enter your name to appear on outgoing messages. Touch **Done** to complete set-up.
 - Your Corporate account then appears in the Manage accounts area of the Accounts & sync screen, and in the Email application.

Note: If prompted to activate your device administration feature, touch **Activate**.

9. Confirm your new account type is selected and tap **Done**.


Composing and Sending Email

1. From the Home screen, select  **Applications** →  **Email**.
2. Touch  **Menu** → **Compose**.
– or –
Touch an account tab and touch  **Menu** → **Compose**.
3. Touch fields to enter recipients, a subject, and the email text.
4. Touch **Send** to send the message.

Managing Emails




Combined Inbox

Emails you receive to all accounts are presented in the combined Inbox, or you can view email accounts individually.

1. Touch  **Menu** → **Accounts**.
2. Touch an account, or touch the **Combined Inbox**.

Refreshing Your Email Account




Refresh your account to update your phone from the servers.

1. From the Home screen, select  **Applications** →  **Email**.
2. Touch  **Menu** → **Refresh**.

Email Account Settings



Use Account settings to configure handling of your email.

Note: Email settings differ, depending on the provider.

1. From the Home screen, select  **Applications** →  **Email**.
2. Touch an account to view it, then touch  **Menu** → **More** → **Account settings**.




Google +


Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+.

1. Sign on to your Google account.
2. From the Home screen, select  **Applications** → **Google+**  .
3. Select the account you want to use to sign in to Google+.
– or –
Tap **Create a new account** to create another account.
4. Follow the on-screen instructions to use Google+.
5. Visit www.google.com/mobile/+/ for more information.

Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone.


1. Sign on to your Google account.
2. From the Home screen, select  **Applications** → **Messenger**  .
– or –
From the Google+ application, select **Messenger**.
3. When prompted, configure the Instant Upload parameters as desired and tap **Continue**.
4. When prompted, configure the Sync contacts parameter (Sync contacts or Don't sync) and tap **Continue**.
5. Select the account you want to use to sign in to Google+.
– or –
Tap **Create a new account** to create another account.
6. At the **Messenger** screen, tap  to start a new message.
7. In the upper text field, enter a name, email address, or circle.

8. In the bottom message field, enter a message then tap  .
9. From the **Messenger** screen, tap **Learn more** for more detailed information.

Section 7: Web and Social Networking




Browser

Your phone is equipped with a full HTML Browser, which allows you to access the internet.

- ▶ From the Home screen, select  **Browser**.

Navigating the Web

Command Keys

- Touch  **Back** to return to the previous page.
- Touch and hold  **Back** to display a list of recent pages.
- To go forward, touch  **Menu** → **Forward**.

Touching and dragging

- Touch and drag your finger on the screen to navigate pages, and to reposition pages within the screen.

Entering text in a field

- While browsing, touch a text field to display the virtual QWERTY keyboard to enter text.

Zoom

- Tap the screen twice to zoom in or out.



Selecting items on a page

While browsing pages, use gestures and menus to navigate links on pages:

- Touch an item to select it.
- Touch a hyperlink to follow the link.
- Touch and hold on a hyperlink for these options:
 - **Open**: Go to the linked page.
 - **Open in new window**: Open a new window to display the linked page.
 - **Bookmark link**: Add a bookmark to linked page (without loading it).
 - **Save link**: Save the linked page to Download history.
 - **Share link**: Send the link via Bluetooth, Email, Gmail, Google+, or Messaging.
 - **Copy link URL**: Save the link's URL to the clipboard.


Entering a URL

Access a website quickly by entering the URL.

1. From the Home screen, select  **Browser**.
2. Touch the **URL** field at the top of the screen, then enter the URL using the virtual QWERTY keyboard.
3. As you enter characters, potential matches display. Continue entering characters, or touch a match to complete the URL.
4. Touch  to load the page.






Copying text

Copy information from a web page, for pasting into a text field, searching, or sharing.

1. From the Home screen, select  **Browser**.
2. Browse to the desired website.
3. Touch and hold on the text to enable the text selector.
4. Touch and drag the text selector to select text, then use the on-screen tools to copy the text to the clipboard, search or translate the text, or share the text.

Using Browser Windows



You can have up to eight windows open at one time, switching between windows.

1. From the Home screen, select  **Browser**.
2. To open a new window, touch  **Menu** → **New window**.
3. To switch to another open window, touch  **Menu** → **Windows**. Touch a window to display it.
4. To close a window, touch  **Menu** → **Windows**. Touch  **Close** beside a window to close it.

Using Bookmarks




While browsing, bookmark a site to quickly access it later.

Creating a bookmark

1. From the Home screen, select  **Browser**.
2. Browse to the desired website, then touch  **Bookmarks** next to the **URL** field.
3. The new website is displayed as a thumbnail with the command **Add**. Touch the bookmark to add it.
4. At the **Add bookmark** prompt, confirm the Name and Location for the bookmark, then touch **OK** to save the bookmark.

Accessing bookmarks and history

Launch a bookmarked page, or reload recent pages.

1. From the Home screen, select  **Browser**.
2. Touch  **Bookmarks** next to the URL field.
3. On the **Bookmarks** tab, use these options:
 - Touch a bookmark to load the page.
 - Touch and hold on a bookmark for these options:
 - **Open**: Launch the bookmarked page.
 - **Open in new window**: Open the linked page in a new window.
 - **Edit bookmark**: Modify the URL.
 - **Add shortcut to Home**: Create a bookmark on the Home screen.
 - **Share link**: Send the link via Bluetooth, Email, Gmail, Google+, or Messaging.
 - **Copy link URL**: Save the link's URL to the clipboard.
 - **Delete bookmark**: Remove the bookmark.
 - **Set as homepage**: Assign the bookmarked link as the home page.
 - Touch  **Menu** → **List view** to view bookmarks as a list.
4. On the **Most visited** tab, use these options:
 - Touch a page to reload it.
 - Touch the star next to a page to bookmark it.
 - Touch and hold on a page for these options:
 - **Open**: Launch the web page.



- **Open in new window**: Launch the web page in a new window.
- **Add bookmark/Remove from bookmarks**: Bookmark the page, or remove the bookmark for this page.
- **Share link**: Send the page's URL via Bluetooth, Email, Gmail, Google+, or Messaging.
- **Copy link URL**: Copy the page's URL to the clipboard for pasting.
- **Remove from history**: Remove the record of this page.
- **Set as homepage**: Set this page as the default first page when opening the Browser.

5. On the **History** tab, use these options:

- Touch a page to load it.
- Touch the star next to a page to bookmark it.
- To clear the history, touch  **Menu** → **Clear history**.
- Touch and hold on a page for these options:
 - **Open**: Launch the web page.
 - **Open in new window**: Launch the web page in a new window.
 - **Add bookmark/Remove from bookmarks**: Bookmark the page, or remove the bookmark for this page.
 - **Share link**: Send the page's URL via Bluetooth, Email, Gmail, Google+, or Messaging.
 - **Copy link URL**: Copy the page's URL to the clipboard to paste in another location.
 - **Remove from history**: Remove the record of this page.

- **Set as homepage:** Set this page as the default first page when opening the Browser.

Browser Settings

1. From the Home screen, select  **Browser**.
2. Touch  **Menu** → **More** → **Settings**:
 - **Page content settings:**
 - **Default zoom:** Choose a default zoom level for web pages.
 - **Open pages in overview:** When enabled, displays an overview of newly-opened pages.
 - **Text encoding:** Choose a default character set for web pages.
 - **Block pop-up windows:** When enabled, blocks pop-up windows.
 - **Load images:** When enabled, images are automatically loaded when you visit a page. When disabled, images are indicated by a link, which you can touch to download the picture.
 - **Auto-fit pages:** When enabled, the browser automatically sizes web pages to fit your phone's display.
 - **Landscape view only:** When enabled, Browser displays all pages in the wider landscape orientation (rotate your phone counterclockwise to view pages in landscape view).
 - **Enable JavaScript:** When enabled, Browser will automatically run JavaScript scripts on pages you visit.
 - **Enable plug-ins:** When enabled, Browser will automatically load and run plug-ins on pages you visit.
 - **Open in background:** When enabled, new windows open behind the current window.
 - **Set home page:** Set the first page to display when Browser launches.

- **Default storage:** Not configurable. Downloads save to the memory card.

• Privacy settings:

- **Clear cache:** Delete content and databases stored on the phone.
- **Clear history:** Delete the list of previously-visited pages.
- **Accept cookies:** When enabled, allows Browser to save and read cookie information used by web pages.
- **Clear all cookie data:** Delete cookie information saved to the phone.
- **Remember form data:** When enabled, stores information you enter into forms to make future forms easier.
- **Clear form data:** Deletes saved form information.
- **Enable location:** When enabled, sites you visit can request access to your location.
- **Clear location access:** Clear location access for all web sites.

• Security settings:

- **Remember passwords:** When enabled, saves usernames and passwords for sites you visit, to make future visits easier.
- **Clear passwords:** Clear all saved usernames and passwords.
- **Show security warnings:** When enabled, Browser will warn you if there is a problem with a site's security.

• Advanced settings:

- **Select search engine:** Select a search engine, from Google or Yahoo!
- **Website settings:** View and manage settings for individual websites.
- **Reset to default:** Clear all browser data and reset all settings to the factory defaults.

- **Select Mode:** Choose Android or Desktop mode.

Browser Menu

While viewing a web page, touch  **Menu** for these options:



- **New window:** Open a new browser window. Previous browser windows remain open in the background (use the Windows option to switch between windows).
- **Windows:** Switch between windows, or open a new window.
- **Brightness setting:** Set the brightness of the display, if the Brightness setting is not set to Automatic.
- **Refresh:** Update the current page's content from the server.
- **Forward:** Move forward to a previously-viewed page.
- **More:**
 - **Add bookmark:** Create a bookmark for the current page.
 - **Add shortcut to Home:** Place a shortcut to the current page on the current Home screen.
 - **Add RSS feeds:** Subscribe to RSS feeds available from the site.
 - **Find on page:** Search for content on the current page.
 - **Page info:** View information about the current page, including the URL.
 - **Share page:** Send the current page's URL via Bluetooth, Email, Gmail, Google+, or Messaging.
 - **Downloads:** View a list of downloads.
 - **Settings:** Customize the Browser (see Browser Settings).







Section 8: Music

Music Player

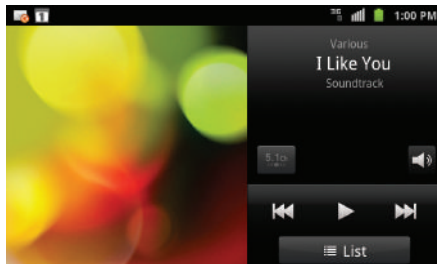
Music Player plays songs from an optional installed memory card.

Playing Music




1. From the Home screen, select  **Applications** →  **Music Player**.
2. Music Player scans your memory card and displays your songs on the **All**, **Playlists**, **Albums**, **Artists**, or **Genres** tabs.
3. Touch a song or playlist to begin playback.
4. During playback, use the sound and playlist controls:
 - **Volume:** Touch to activate on-screen volume control, then touch and drag on the scale to set volume. You can also press the Volume Key on the side of the phone to adjust playback volume.
 - **Shuffle:** When enabled, songs play in random order. When disabled, songs play in the order they appear in List view.
 - **Repeat:** Touch to repeat the current song, repeat all songs, or disable repeat mode.
 - **List / Now Playing:** Touch **List** to switch to a list view of songs. Touch **Now Playing** to display the current song title and details.

- **5.1 Channel Mode:** When listening with optional headphones, touch to enable 5.1 Channel Mode for stereo sound.
- **Playback controls:**
 - Touch  to advance to the next song. Touch and hold  to scan forward through the current song.
 - Touch  to go back to the previous song. Touch and hold  to scan backward through the current song.
 - Touch  to pause playback. Touch  to resume playback.

Tip: When you're playing music in the background, playback controls are available in the Notification Panel. For more information, see "Notification Panel" on page 17.





Creating a Playlist




1. From the Home screen, select  **Applications** →  **Music Player** → **Playlists**.
2. Touch  **Menu** → **Create**, then touch the name field to enter a name for the playlist.
3. Touch **Save** to save the new playlist.

Adding Songs to Playlists

Adding a single song to a playlist



1. From the Home screen, select  **Applications** →  **Music Player**.
2. Touch and hold on a song, then choose **Add to playlist** from the pop-up menu.
3. Choose one of these options:
 - Touch a playlist to add the selected song to the playlist.
 - Touch **Create playlist** to create a new playlist and add the selected song to it.

Adding multiple songs to a playlist

1. From the Home screen, select  **Applications** →  **Music Player**.
2. Touch  **Menu** → **Add to playlist**.
3. Touch songs to select them, or touch **Select all**. When selected, a check mark appears in the checkbox.
4. Touch **Add**, then select a playlist, or touch **Create playlist** to create a new playlist.

Setting a Song as a Ringtone



You can set a song as a ringtone for all voice calls, for calls from an individual contact, or as an alarm tone.

1. From the Home screen, select  **Applications** →  **Music Player**.
2. Touch and hold on a song, then touch **Set as** and choose from these options:
 - **Voice call ringtone**: Set the song as the default ringtone for all incoming voice calls.
 - **Caller ringtone**: Choose a contact to set the song as the ringtone for calls from the contact.
 - **Alarm tone**: Set the song as the alarm ringtone for a new alarm, or for an existing alarm.

Section 9: Pictures and Video

Camera

Use your phone's built-in Camera to take pictures and record video.




- From the Home screen, touch  **Applications** →  **Camera**.



Options tab




Important! Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person's privacy.





Taking Pictures

1. From the Home screen, touch  **Applications** →  **Camera**.
2. Using the display as a viewfinder, compose your picture by aiming the lens at the subject.
 - Touch the screen to focus on the area you touched.
 - Press the **Volume Key** to zoom in or out.
 - To configure settings, see “*Camera Options*” on page 75.
3. To take the picture, touch the **Camera** button.
4. After taking a picture, touch **Image Viewer** to view the picture. While viewing the picture, use these options:
 - Touch the zoom icons to zoom incrementally, or double-tap on the picture to zoom all the way in or out.
 - Touch **Delete** to erase the picture.
 - Touch **Share** to send the picture via **AllShare**, **Bluetooth**, **Email**, **Gmail**, **Google +**, **Messaging**, or **Picasa**.
 - Touch **Set as** to assign the picture as a contact icon, or as wallpaper.
 - Touch  **Back** to return to the Camera to take more pictures.

Camera Options

Configure the camera.

- ▶ While in Camera mode, touch the **Options** tab to configure:
 -  **Shooting mode:** Choose an automatic shooting mode, from:
 - **Single shot:** Take a single photo.
 - **Smile shot:** Touch the Camera button to automatically focus on the subject's face and take the picture.
 - **Panorama:** Touch the Camera button to take a picture, then use the on-screen guideline to move the viewfinder and take the next 7 shots automatically.
 - **Beauty:** Adjust the contrast to smooth facial features.
 - **Continuous:** Touch and hold the Camera button to take 9 consecutive pictures.
 - **Vintage:** Add a vintage effect to photos.
 - **Add me:** Take one picture, then use the on-screen guideline to compose and take a second picture, to combine into one.
 - **Cartoon:** Apply a cartoon effect to pictures.
 - **Action shot:** Detects action to automatically take multiple pictures to create a panorama.
 -  **Flash:** Choose Off, On, or Auto flash.
 -  **Exposure value:** Set the brightness of the picture.
 - **Timer:** Set a delay before taking a picture.

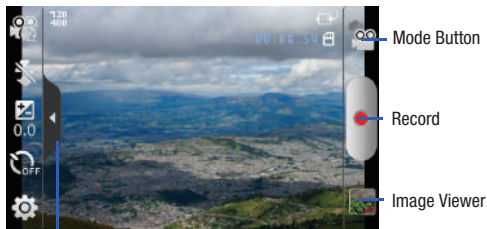
-  **Settings** →  **Camera**
 - **Outdoor visibility:** Enable to enhance screen visibility.
 - **Focus mode:** Choose a type of automatic focus.
 - **Scene mode:** Choose a mode to match conditions.
 - **Resolution:** Choose a size for the image.
 - **White balance:** Choose a setting for the light source.
 - **Effects:** Apply an effect to pictures.
 - **ISO:** Choose a setting for imaging sensitivity.
 - **Metering:** Select a method for measuring light.
 - **Anti-Shake:** Enable Anti-Shake to minimize effects of camera movement.
 - **Auto contrast:** Allow automatic light/dark adjustment.
 - **Blink detection:** Detect a subject's blinks and adjust the timing of the picture capture to avoid closed eyes in the shot.
 - **Image quality:** Choose a quality setting for photos.
 - **Adjust:** Set Contrast, Saturation, and Sharpness.
-  **Settings** →  **Settings**
 - **Guidelines:** Enable or disable an on-screen grid to aid in photo composition.
 - **Review:** Enable or disable the instant review feature, to display images immediately after capture.
 - **GPS Tag:** Save GPS location information in the photo details.

- **Shutter sound:** Select a tone to play when the camera's shutter opens and closes.
- **Reset:** Set all Camera settings to the defaults.

Camcorder

Use your phone's built-in Camcorder to record high-definition video in 720p resolution.




- From the Home screen, touch  **Applications** →  **Camera** →  **Mode**.



Options tab








Important! Do not take videos of people without their permission.
Do not take videos in places where cameras are not allowed.
Do not take videos in places where you may interfere with another person's privacy.

Capturing Video

1. From the Home screen, touch  **Applications** →  **Camera** → **Camcorder**.
2. Using the display as a viewfinder, compose your shot by aiming the lens at the subject.
 - Press the **Volume Key** to zoom in or out.
 - To configure settings, see “*Camcorder Options*” on page 77.
3. To start recording, touch the **Record** button. During recording, touch **Pause** to temporarily stop recording. To resume recording, touch **Record** again.
4. To stop recording, touch the **Stop** button.
5. After recording, touch **Image Viewer** to view the video. While viewing the video, use these options:
 - Double-tap on the video to zoom all the way in or out.
 - Touch **Share** to send the video via **AllShare, Bluetooth, Email, Gmail, Messaging, or YouTube**.
 - Touch **Play** to review the video.
 - Touch **Delete** to erase the video.
 - Touch  **Back** to return to the Camcorder to record more videos.

Camcorder Options





Configure the camcorder.

- ▶ While in Camcorder mode, touch the **Options** tab:
 -  **Recording mode:** Choose a recording mode, from:
 - **Normal:** Record a video of any length.
 - **Limit for MMS:** Record a video up to 1 minute long, suitable for sending in a Video message.
 -  **Flash:** Choose Off or On.
 -  **Exposure value:** Choose a value to set the brightness.
 - **Timer:** Set a delay before starting recording.
 -  **Settings** →  **Camcorder:**
 - **Outdoor visibility:** Enable to enhance screen visibility.
 - **Resolution:** Choose a size for the recording.
 - **White balance:** Choose a setting for the light source.
 - **Effects:** Apply an effect to videos.
 - **Video quality:** Choose a quality setting for videos.
 - **Adjust:** Set Contrast, Saturation, and Sharpness.
 -  **Settings** →  **Settings**
 - **Guidelines:** Enable to display a grid to aid in video composition.
 - **Audio recording:** Enable to record sound along with video.
 - **Review:** Enable or disable the instant review feature, to display videos immediately after recording.
 - **Reset:** Set all Camcorder settings to the defaults

Video Player

Your phone plays HD videos up to 720p, supporting H.263, H.264, MPEG4, 3GP, 3G2 (v9) formats. Your phone is also DivX Certified[®] to play DivX[®] video up to HD 720p, including premium content.

Use Video Player to view and manage videos stored on an installed memory card, or shop for new videos.

1. From the Home screen, touch  **Applications** →  **Video Player**.
2. By default, videos display by name. While viewing the list of videos, touch  **Menu** for these options:
 - **Remove:** Touch videos to select them for deletion, or touch Select all to delete all videos.
 - **List by:** Display the list of videos by Size, Name (default), Date, or Type.
3. Touch a video to play it. While playing a video, touch the screen to display or hide on-screen Forward, Pause, Backward playback controls.
4. While playing a video touch  **Menu** for options:
 - **Share video:** Send the video via AllShare, Bluetooth, Messaging, Gmail, Email, or YouTube.
 - **Details:** View information about the video.

- **Add bookmark:** Place a marker in the video, to view later.
- **Bookmarks:** Display markers from the video.
- **Via Bluetooth:** Send the video via Bluetooth.
- **Settings:** Choose Repeat, Brightness, Colour tone, and Outdoor Visibility settings.



Gallery

Use Gallery to view, capture, and manage pictures and videos.



Your phone provides high-resolution display of:

- Pictures, including JPEG, PNG, GIF, A-GIF, WBMP and BMP formats.
- HD videos up to 720p, including H.263, H.264, MPEG4, 3GP, 3G2 (v9) formats. DivX Certified[®] to play DivX[®] video up to HD 720p, including premium content.

Note: You must have an optional memory card installed in your phone to take pictures or capture video. For more information, see “Memory Card” on page 11.

- From the Home screen, select  **Applications** →  **Gallery**.




Viewing Videos

1. From the Home screen, select  **Applications** →  **Gallery**.
2. Touch a category, then touch a video to play it.

3. While viewing a video, touch  **Menu** for options:





- **Share video:** Share the selected video via **AllShare, YouTube, Messaging, Bluetooth, Email, or Gmail**.
- **Via Bluetooth:** Send the video via Bluetooth.
- **Details:** View information about the video.

Viewing Pictures




1. From the Home screen, select  **Applications** →  **Gallery**.
2. Touch a category, then touch a picture to view it.
3. While viewing a picture, tap on the screen or touch  **Menu** for options:
 - **Share:** Share the selected picture via **AllShare, Google+, Bluetooth, Picasa, Messaging, Email, or Gmail**.
 - **Delete:** Erase the picture.
 - **More:**
 - **Details:** Display information about the picture.
 - **Set as:** Assign the picture as a Contact icon, or as Wallpaper.
 - **Crop:** Drag the edges of the crop tool to select an area of the picture, then touch **Save** to save just the selected area, removing the rest of the picture.
 - **Rotate left:** Change the orientation of the picture.
 - **Rotate right:** Change the orientation of the picture.

Sharing pictures and video




Share pictures and videos via Email, AllShare, Bluetooth, Messaging, Picasa, or Gmail.

1. From the Home screen, select  **Applications** →  **Gallery**.
2. Touch a category to display thumbnails, then select items for sharing:
 - To select an entire category, touch  **Menu** while viewing categories, then touch the category to select all pictures in the category.
 - To select multiple pictures or videos from a category, touch  **Menu** while viewing the thumbnails. Touch thumbnails to mark them for sharing, then touch **Share**.
3. Touch **Allshare**, **Google+** (for pictures only), **Email**, **Bluetooth**, **Messaging**, **Picasa** (for pictures only), **Gmail**, or **YouTube** (for videos only) then follow the prompts.

Setting a Picture as a Contact Icon

1. From the Home screen, select  **Applications** →  **Gallery**.
2. Touch a category, then touch a picture to select it.
3. Touch  **Menu** → **More** → **Set as** → **Contact icon**.
4. Select a contact, or create a new contact, with the selected picture as the contact's icon.

Setting a Picture as Wallpaper

1. From the Home screen, select  **Applications** →  **Gallery**.
2. Touch a category, then touch a picture to select it.
3. Touch  **Menu** → **More** → **Set as** → **Wallpaper**.
4. Use the crop tool to edit the picture, then touch **Save** to set the edited picture as the Home screen wallpaper.

Section 10: Connections

Your phone includes features to connect to the internet and to other devices, via Wi-Fi, Bluetooth, VPN and Dial Up Networking.

Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks. Use your phone's Wi-Fi feature to:

- Access the internet for browsing, or to send or receive email.
- Access your corporate network.
- Use hotspots provided by hotels or airports while traveling.

Wi-Fi communication requires access to an existing Wireless Access Point (WAP). WAPs can be Open (unsecured, as with most hotspots), or Secured (requiring you to provide login credentials). Your phone supports the 802.11 b/g/n Wi-Fi protocol.

Configuring Wi-Fi Settings

Configure your phone's Wi-Fi settings. For more information, see *"Wi-Fi Network Settings"* on page 108.

Turning Wi-Fi On or Off

Turn your phone's Wi-Fi service on or off. When you turn Wi-Fi service on, your phone automatically searches for available, in-range WAPs (Wireless Access Points).

Turning Wi-Fi On

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi On.

Turning Wi-Fi Off

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi Off.

Note: You can also turn Wi-Fi On or Off in Settings. For more information, see *"Wi-Fi Network Settings"* on page 108.

Scanning and Connecting to a Wi-Fi Network

When you turn on Wi-Fi, your phone searches for available Wi-Fi connections, then displays them on screen.

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi On.
3. When your phone completes a scan, touch a Wi-Fi network to connect. If the Wi-Fi network is open, you will be automatically connected. If the Wi-Fi network is secured, enter the password at the prompt to connect.

Adding a Wi-Fi Network Manually

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi On.
3. From the settings menu, touch **Add network**, then enter these fields:
 - **Network Name (SSID):** Enter the name of the Wi-Fi Wireless Access Point.
 - **Security:** Select the type of security used by the WAP.
 - **Password or Key:** If the WAP is secured, enter the password or hex key.

Bluetooth

Bluetooth is a wireless technology for exchanging information over a distance of about 30 feet. If the devices are in range, you can exchange information between them, even in different rooms.

Note: Bluetooth profiles are specifications for services supported by individual devices. For a list of profiles your phone supports, see “*Bluetooth profiles*” on page 110.

Configuring Bluetooth Settings

For more information about configuring Bluetooth, see “*Bluetooth settings*” on page 110.

Turning Bluetooth On or Off

Turning Bluetooth On

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Bluetooth** to turn Bluetooth on.


Turning Bluetooth Off

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Bluetooth** to turn Bluetooth off.

Pairing with a Bluetooth Device

Search for a Bluetooth device and pair with it, to exchange information between your phone and the device.

Note: After pairing, your phone and the target device will recognize each other and exchange information without having to enter a passcode or PIN.

1. From the Home screen, touch  **Menu** → **Settings** → **Wireless & network**.
2. Touch **Bluetooth settings** → **Bluetooth** to turn on Bluetooth.
3. Activate the target device’s discoverable mode.
4. Touch **Scan devices**.
5. From the list of scanned devices, touch the target device, then follow the prompts to complete the pairing:
 - If the target device requires a PIN, enter a PIN for the target device and touch OK. When prompted, enter the PIN on the target device.

Tip: Some devices use a default passcode of 0000. Refer to the target device’s user manual for more information.

- If the device allows automatic or smart pairing, your phone will attempt to pair with the phone automatically. Follow the prompts on your phone and the target device to complete the pairing.


VPN

You can use your phone's VPN (Virtual Private Network) feature to connect to VPNs.

Configuring VPN Settings

Configure your phone's VPN settings. For more information, see “VPN settings” on page 111.

Adding a VPN

1. From the Home screen, touch  **Menu** → **Settings** → **Wireless & network** → **VPN settings**.
2. Touch **Add VPN** to set up a connection to a VPN, using the following settings:
 - **Add PPTP VPN:** Set up a connection to a VPN with Point-to-Point tunneling protocol.
 - **Add L2TP VPN:** Set up a connection to a VPN with Layer 2 tunneling protocol.
 - **Add L2TP/IPSec PSK VPN:** Set up a connection to a VPN with pre-shared key-based Layer 2/IPsec tunneling protocol.
 - **Add L2TP/IPSec CRT VPN:** Set up a connection to a VPN with Certificate-based Layer 2/IPsec tunneling protocol.

Memory Card

Your phone supports removable microSD™ or microSDHC™ memory cards of up to 32GB capacity, for storage of music, pictures, videos, and other files.

Installing and Removing a Memory Card


For more information about installing and removing a memory card, see “Memory Card” on page 11.

Important!: To prevent damage to information stored on the memory card, unmount the card before removing it from the phone.

Formatting a Memory Card

Formatting erases all content from the memory card and prepares it for use with your phone.

Formatting a Memory Card using Your Phone

1. From the Home screen, touch  **Menu** → **Settings** → **Storage**
2. Touch **Unmount SD card**.
3. After unmounting the SD card, touch **Erase SD card**.
4. Follow the prompts to confirm the formatting of the card.

Formatting a Memory Card using Your Computer

For best playback of songs stored on a microSD™ or microSDHC™ memory card, use the PC file system FAT32. Consult your computer and/or memory card reader documentation for information about formatting memory cards.

Important! Before establishing a connection, make sure the phone is not USB debugging mode (**Settings** → **Applications** → **Development** → **USB debugging**).

Transferring Files to a Memory Card via USB

1. Connect the USB cable to the phone and connect the cable to the computer. Your phone will install any necessary drivers, then recognize the connection.
2. When prompted, touch **Connect USB storage** → **OK**. Both the phone and computer display icons to show that the device is mounted. As soon as the connection is established a drive letter is assigned to the phone's storage device.
3. On your computer, locate the card's newly assigned drive letter, and transfer files to the memory card.
4. Later, tap **Stop** to close the USB connection between the phone and your computer.

Section 11: Applications and Widgets

AllShare



Use AllShare to synchronize your mobile phone with your compatible touchTV via Wi-Fi to stream content to your TV.

Note: You must activate Wi-Fi to use this application. For more information, refer to “Wi-Fi” on page 80.

- ▶ From the Home screen, touch  **Applications** →  **AllShare.**



Browser

Your phone includes a full HTML Browser, to access the internet. For more information about using Browser, see “Browser” on page 67.

- ▶ From the Home screen, select  **Applications** →  **Browser.**


Calculator

Use your phone's Calculator to perform mathematical calculations.

- ▶ From the Home screen, select  **Applications** →  **Calculator.**

Calendar

Record events and appointments to manage your schedule.

1. From the Home screen, select  **Applications** →



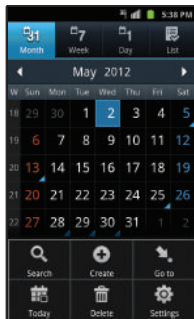
Calendar.

2. Touch a tab to choose a calendar view:

- **Month:** Display the current month and scroll to other months.
- **Week:** Display the current week, and scroll to other weeks.
- **Day:** Display today's schedule, and scroll to other days.
- **List:** Display events in a chronological list.



3. Touch  **Menu** for these options:

- **Search:** Find calendar events.
- **Create:** Add a new event to the calendar.
- **Go to:** Display a specific date.



- **Today:** Display today's events.
- **Delete:** Delete an event.
- **Settings:** Customize the calendar.

Customizing the Calendar




1. From the Home screen, select  **Applications** →  **Calendar**.
2. Touch  **Menu** → **Settings** to configure these settings:
 - **Calendars:** View all your calendars.
 - **Calendar sync:** Synchronize calendars from multiple accounts.
 - **Default view:** Set the default view when Calendar opens.
 - **Day views:** Choose a view for a day's events.
 - **First day of week:** Choose a day to begin each week.
 - **Hide declined events:** Enable or disable display of events.
 - **Lock time zone:** Prevents automatic update of time zone during travel. Locks the time zone to the one selected below in the Select time zone field.
 - **Select time zone:** Allows you to manually select a time zone that is used as the default. This option is only enabled if the above field is activated.
 - **Set alerts & notifications:** Adjust the event notification method. Choose from: Alert, Status bar notification, and Off.
 - **Vibrate:** Choose a vibration mode for event notifications.

- **Select default ringtone:** Choose a ringtone for event alarm tones.

Tip: When you create an event, you can choose an alarm tone for the event.



Sending Events via Bluetooth

Send events as vCalendar files to other Bluetooth devices.

1. From the Home screen, select  **Applications** →  **Calendar**.
2. Touch an event to display its details.
3. Touch  **Menu** → **Send via**.
4. Follow the prompts to select a paired device, or pair with a new device. For more information, see *"Pairing with a Bluetooth Device"* on page 82.



Camera

Take pictures and record video with your phone's built in Camera. For more information, see *"Camera"* on page 74.

- From the Home screen, touch  **Applications** →  **Camera**.

Car Cradle



The Car Cradle application puts mobility features right at your fingertips, to allow one-touch access to maps, search, and navigation features while connected to an optional car cradle.

- ▶ From the Home screen, touch  **Applications** →  **Car Cradle**.

Clock

The Clock application includes these features:




- **Alarm:** Create alarms to go off once, or to repeat on specific days.
- **World clock:** Display the time and date in any time zone.
- **Stopwatch:** Record lap times.
- **Timer:** Measure elapsed time.

- ▶ From the Home screen, touch  **Applications** →  **Clock**.


Daily Briefing

Use the Daily Briefing widget to monitor the weather, financial information, news, and your schedule, in one convenient application.

Tip: Daily Briefing appears by default on the Home screen, and is available as a Samsung Widget. For information about displaying widgets on the Home screen, see “Adding Widgets to the Home screen” on page 21.



1. From the Home screen, touch  **Applications** →  **Daily briefing**.
2. Touch  **Menu** → **Settings** to set your preferences:
 - **AccuWeather.com:**
 - **Select city:** Choose cities for weather display on the Home screen.
 - **Auto refresh:** Choose a time interval for automatic refreshing of weather information, or choose None. When the setting is None, touch the refresh icon on the widget to update weather information.
 - **Widget auto scroll:** If you have selected more than one city, the widget will alternate display of information from each of your cities.
 - **Unit:** Select Celsius or Fahrenheit for temperature displays.
 - **Y! Finance:**
 - **Select stock:** Choose stock(s) to display on the Home screen.
 - **Auto refresh:** Choose a time interval for automatic refreshing of stock information, or choose None. When the setting is None, touch the refresh icon on the widget to update stock information.

- **Widget auto scroll:** If you have selected more than one stock, the widget will alternate display of information for each stock.
- **AP Mobile News:**
 - **Auto refresh:** Choose a time interval for automatic refreshing of news items, or choose None. When the setting is None, touch the refresh icon on the widget to update news items.
 - **Widget auto scroll:** When enabled, news items will automatically alternate in the display.

Tip: On the **Daily Briefing** widget, you can touch  **Settings** to set preferences.





Desk Cradle

The Desk Cradle application gives you one-touch access to the Alarms, Daily briefing, Music, Voice Search, and Gallery applications while the phone is connected to an optional desk cradle.

- From the Home screen, touch  **Applications** →  **Desk Cradle**.



Downloads

The Downloads application allows you to manage all of your downloads from the Play Store and the Browser.

1. From the Home screen, touch  **Applications** → **Downloads**  .
All of your downloads are listed.
2. Tap the **Internet Downloads** tab to see all of the downloads you have made from the Browser.
3. Tap the **Other Downloads** tab to see all other downloads.
4. Touch  **Menu** → **Sort by size** to see your downloads sorted in size order.
5. Touch  **Menu** → **Sort by time** to see your downloads sorted in time order.



Email

Send and receive email using popular email services. For more information, see “Email” on page 62.

- From the Home screen, select  **Applications** →  **Email**.



Gallery

Use Gallery to view, capture, and manage pictures and videos. For more information, For more information, refer to “*Gallery*” on page 78.

- ▶ From the Home screen, select  **Applications** →  **Gallery**.



Gmail

Send and receive emails via Gmail, Google’s web-based email. For more information, see “*Gmail*” on page 60.

- ▶ From the Home screen, select  **Applications** →  **Gmail**.

Google +

Google+ makes messaging and sharing with your friends a lot easier.

1. Sign on to your Google account.
2. From the Home screen, select  **Applications** → **Google+** .



For more information, refer to “*Google +*” on page 65.


Latitude

Google Latitude allows you and your friends share locations and status messages with each other. It also lets you send instant messages and emails, make phone calls, and get directions to your friends’ locations.

Important! You must sign in to your Google account, enable Wi-Fi, and enable the Location feature before you can use this application.

Important! For best results, it is recommended that you enable all of your location services. For more information, refer to “*Location & security*” on page 118.





1. From the Home screen, tap  (**Applications**) →  (**Latitude**).

Note: If the Latitude screen changes to the Map view, launch Latitude by tapping  (**Maps**) from the upper-left of the screen and selecting **Join Latitude**.

2. Tap **Wi-Fi Disabled - Click to enable** connection to navigate to the Wi-Fi Settings menu where you can turn on Wi-Fi if it is not already enabled.

3. If prompted with the **Improve My Location** screen, tap **Settings** to configure the necessary settings or **Skip** to continue on without making a change.
4. Tap **Map view** to return to the main application.

Sharing your Location with Friends

1. From the map view, if not already displaying Latitude icon at the top right, tap the bottom-right arrow from  (Maps) →  (Latitude) to display your Latitude friends. At first, only your name is displayed.
2. From the bottom of the screen, touch  **Menu** → **Add friends**.
— or —
Tap  (**Add friends**).
3. Tap **Select from Contacts** or **Add via email address**.
4. Tap a contact or enter an email address, then tap **Add friends**.


5. Tap **Yes** at the **Send sharing requests** prompt.


Your friend will receive an email or text message with your location marked on a map. They will also receive instructions on how to view your location from the web or use Latitude on their phone or tablet provided it is available. Once they acknowledge your request, their location will display on your tablet. They can share their location from their computer, phone, or tablet. For more information, go to <http://www.google.com/latitude>.

6. To view the map, tap **Map view**.

Latitude Options

- From the Latitude friends screen, select one of the following:
 - **Option access**: allows you to select a related option such as: Map, Places, Navigation, Check-in, Latitude, Location history, or My Places.
 - **Check in**: allows you to “check-in” at a nearby location and share it with your friends.
 - **Add friends**: allows you to add new friends to your circle of Latitude contacts.
 - **Refresh**: allows you to refresh your current list of friends.
- or —



Touch  **Menu** and select one of the following features:

- **Map view:** allows you to switch to the Map view.
 - **Location Settings:** allows you to access and alter your location settings. For more information, refer to “*Location & security*” on page 118.
 - **Add friends:** allows you to add new friends to your circle of Latitude contacts.
 - **Check-in:** allows you to “check-in” at a nearby location and share it with your friends.
 - **Refresh friends:** allows you to refresh your current list of friends.
- From the top of the map display, select one of the following:
- **Search:** allows you to search for a place of interest.
 - **Layers:** allows you to switch map views:
 - **Traffic:** (available only in selected areas) Real-time traffic conditions are displayed over roads as color-coded lines. Each color represents how fast the traffic is moving.
 - **Satellite:** Maps uses the same satellite data as Google Earth. Satellite images are not real-time. Google Earth acquires the best imagery available, most of which is approximately one to three years old.
 - **Terrain:** combines a topographical view of the area's terrain with the current map location.
 - **Transit Lines:** displays the overlapping transit lines on your map.
- **Latitude:** allows you to see your friend's locations and share your location with them.
 - **My Maps:** displays a list of your preferred maps.
 - **Bicycling:** displays the overlapping cycling trails on your map.
 - **Wikipedia:** displays any Wikipedia markers and info on your map.
- **My Location:** displays your current location on-screen.
 - **Access Latitude** (): takes you back to the Latitude screen.
 - **Zoom:** allows you to magnify the on-screen map view.

Maps

Google Maps allow you to track your current location, view real-time traffic issues, and view detailed destination directions. There is also a search tool included to help you locate places of interest or a specific address. You can view locations on a vector or aerial map, or you can view locations at the street level.

Important! Before using Google Maps you must have an active data (3G/4G) or Wi-Fi connection. The Maps application does not cover every country or city.


- From the Home screen, tap  (Applications) →  (Maps).

Important! For best results, it is recommended that you enable all of your location services. For more information, refer to “*Location Services*” on page 251.


Enabling a Location source

Before you use Google Maps and find your location or search for places of interest, you must enable a location source. To enable the location source you must enable the wireless network, or enable the GPS satellites.

Important! The more location determining functions are enabled, the more accurate the determination will be of your position.

1. From the Home screen, touch  **Menu** → **Settings** → **Location & security**.
2. Touch **Use wireless networks** to enable or disable Google location services. When enabled, a check mark appears in the check box.
 - Since this feature is based on Google's location service, you will need to agree to allow Google to collect anonymous information.
 - Touch **Agree** to accept the terms of service.
3. Touch **Use GPS satellites**.
 - Read the third-party location consent and touch **Agree** to accept the terms of service.

Opening Maps

1. From the Home screen, tap  (Applications) →  (Maps).
2. Tap the upper-right My location button to find your location on the map with a blinking blue dot.
3. From the top of the map display, select one of the following:
 - **Search:** allows you to search for a place of interest.
 - **Layers:** allows you to switch map views:
 - **Traffic:** (available only in selected areas) Real-time traffic conditions are displayed over roads as color-coded lines. Each color represents how fast the traffic is moving.
 - **Satellite:** Maps uses the same satellite data as Google Earth. Satellite images are not real-time. Google Earth acquires the best imagery available, most of which is approximately one to three years old.
 - **Terrain:** combines a topographical view of the area's terrain with the current map location.
 - **Transit Lines:** displays the overlapping transit lines on your map.
 - **Latitude:** allows you to see your friend's locations and share your location with them.
 - **My Maps:** displays a list of your preferred maps.
 - **Bicycling:** displays the overlapping cycling trails on your map.

- **Wikipedia:** displays any Wikipedia markers and info on your map.
- **My Location:** displays your current location on-screen.
- **Access Latitude** (): takes you back to the Latitude screen.
- **Zoom:** allows you to magnify the on-screen map view.

– or –


Touch  **Menu** and select one of the following features:

- **Search:** allows you to search for a place of interest.
- **Directions:** displays navigation directions to a location from a starting point.
- **Clear Map:** allows you to remove all markings and layers from the map.
- **More:** allows you to select different map options such as: Map, Places, Navigation, Check in, Latitude, Location history, and My Places.

- **Settings:** allows you to select the following additional options:
 - **Cache Settings:** allows you to set options to pre-fetch map tiles when not using Wi-Fi and to clear the cache that holds the map tiles.
 - **Location Settings:** lets you access and configure the location settings.
 - **Labs:** this is a testing ground for experimental features that aren't ready for primetime. They may change, break or disappear at any time. Click on a Lab to enable or disable it.
 - **Terms, Privacy & Notices:** displays the Terms and Conditions, Privacy Policy, Legal Notices, or Web History. Select the desired information from the pop-up menu.
 - **About:** displays general information about Google maps such as Version, Platform, Locale, Total data sent, Total data received, Free memory, etc.
- **Help:** provides application support information.

Memo



Create and manage text memos, and send memos via Bluetooth to paired Bluetooth devices.

- From the Home screen, touch  **Applications** →  **Memo.**

Note: To send a memo via Bluetooth, save the memo, then touch and hold on the Memo for options. For more information, see “*Bluetooth*” on page 82.

Messenger



Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone.

- From the Home screen, select  **Applications** → **Messenger** 

For more information, refer to “*Messenger*” on page 65.

Mini Diary



The Mini Diary allows you to keep a diary of your daily activities and also attach pictures. You can publish your diary entries to Facebook and MySpace.

1. From the Home screen, select  **Applications → Mini Diary** .
2. Tap **Add** and enter text to begin searching for a city. If prompted, tap **Yes** to accept the location feature.
3. Select an available city from the new on-screen list.
4. Tap **Create diary** to start a new diary entry.
5. If prompted, tap **Yes** to accept the location feature.
6. Tap the **Tap to add photo** field to add a photo.
7. To take a new picture, tap **Camera**. To add a photo from your Gallery, tap **Gallery**.
8. Tap the **Tap to create memo** field to add text to your diary then tap **Done**.
9. Use the on-screen keypad to enter a memo then tap **Done**.
10. Tap **Save**.

11. The diary entry will be added to your Mini Diary with today's date.
12. While in a diary entry that has been previously saved, touch  **Menu** to display the following options:
 - **Create**: allows you to create a new diary entry.
 - **Delete**: allows you to delete a diary entry.
 - **Publish**: allows you to publish your diary to Facebook.
13. At the main Mini Diary screen, touch  **Menu** to display the following options:
 - **Delete all**: allows you to delete all diary entries.
 - **Settings**: allows you to select **Auto update** which will update your Selected city based on GPS.


Music (Google Music)

Also known as Google Music, allows you to browse, shop, and playback songs purchased from the Play Store. The music you choose is automatically stored in your Google Music library and instantly ready to play or download.

- From the Home screen, select  **Applications →**  **(Music)**.

Music Player

Play music files from an installed memory card. For more information, see “*Music Player*” on page 72.



- From the Home screen, select  **Applications** →



Music Player.

My Files

Find, view and manage files stored on an installed memory card. If the file is associated with an application on your phone, you can launch the file in the application.

1. From the Home screen, touch  **Applications** →  **My Files.**
2. Locate a folder and scroll down or up until you locate a file.
3. Touch a file to launch it in the associated application (if the file is associated with an application).
4. While browsing files, use these controls:
 - Touch **Up** to go back up to a higher directory.
 - Touch **Home** to go back to the root directory.
 - Touch  **Menu** for these options:
 - **Share:** Upload the file via AllShare, Google+, Bluetooth, Picasa, Messaging, Email, Gmail, or YouTube.
 - **Create folder:** Create a new folder for storing files.

- **Delete:** Erase selected file(s).
- **View by:** Display files as a List, as a List and details, or as Thumbnails.
- **List by:** Sort files by Time, Type, Name, or Size.
- **More:** Move, Copy, Rename, set Bluetooth visibility for file(s), or change settings for My Files.



Navigation

Navigation is an internet-connected turn-by-turn, GPS navigation system with voice guidance.

Caution!: Traffic data is not real-time and directions may be wrong, dangerous, prohibited, or involve ferries.

Important!: To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

- From the Home screen, touch  **Applications** →  **(Navigation).**


GPS Services

Your built-in GPS capability gives you access to a number of location-based services, including **Maps**, **Navigation**, **Places**, and **Latitude**.



Note: To receive better GPS signals, avoid the following conditions:

- Inside or between buildings
 - In a tunnel or underground passage
 - In poor weather
 - Around high-voltage or electromagnetic fields
 - In a vehicle with tinted windows
-

Enabling GPS Location

1. From the Home screen, touch  **Menu** → **Settings** → **Location & security**
2. Tap **Use wireless networks**. A green check mark indicates the GPS location feature has been enhanced by using Wi-Fi and/or mobile networks to increase accuracy.
 - Since this feature is based on Google's location service, you will need to agree to allow Google to collect anonymous information.
 - Touch **Agree** to accept the terms of service.
3. Tap **Use GPS satellites**. A green check mark indicates the GPS location feature is enabled.
 - Read the third-party location consent and touch **Agree** to accept the terms of service.

Navigation options

1. From the Home screen, touch  **Applications** →  (**Navigation**). The navigation application can be configured from the main screen.
2. Read the on-screen disclaimer and tap **Accept**.
3. Choose from the following on-screen options:
 - **Settings:** allows you to configure your Route options such as: **Avoid highways** or **Avoid tolls**.
 - **Map:** enables the on-screen real-time map functionality.
 - **Speak Destination:** allows you to use the voice recognition feature to search for matching locations in your area.
 - **Type Destination:** allows you to manually enter a destination address (via the on-screen keypad).
 - **Contacts:** allows you to receive turn-by-turn directions to the address stored for a selected Contacts entry.
 - **Starred Places:** allows you to obtain directions to locations that have been starred within Google maps (maps.google.com).

Navigation Map options

Once on the map screen, you can access the following features:




- **Destination:** returns you to the previous Navigation options screen.
- **Search by voice:** Speak your destination instead of typing.
- **Layers:** allows you to switch map views:
 - **Traffic view:** (available only in selected areas) Real-time traffic conditions are displayed over roads as color-coded lines. Each color represents how fast the traffic is moving.
 - **Satellite:** Maps uses the same satellite data as Google Earth. Satellite images are not real-time. Google Earth acquires the best imagery available, most of which is approximately one to three years old.
 - **Parking:** displays parking information relative to your current location.
 - **Gas Stations:** displays gas station location relative to your current location.
 - **ATMs & Banks:** displays ATM and Bank locations relative to your current location.
 - **Restaurants:** displays restaurant and eatery locations relative to your current location.


Touch  **Menu** to access additional options:

- **Search:** manually search for a destination address, place, name of business, or even a type of business.
- **Set Destination:** returns you to the navigation options screen where you can access a destination by either Speaking, Typing, or selecting from a Contacts entry or Starred Place.
- **Layers:** allows you to switch map views. See previous description.
- **Mute:** allows you to mute the audio readout and directional information.
- **Exit Navigation:** terminates the application.
- **More:** provides additional application information such as: Help and Terms, Privacy & Notices.

Places

Google Places displays company logos on a layer of Google Maps. When viewing an area you can quickly locate a business or person, find out more information about the business, see coupons, public responses, and more.




1. From the Home screen, touch  **Applications** →  (**Places**).
2. Tap  (**Search**) and then use the **Find places** field to manually enter a desired place or choose from among the various categories. Matches are filtered by those closest to your current location.

3. Locate and tap one of the listed places (Restaurants, Cafes, Bars, Attractions, [user added searches], or IN THIS AREA) A list of places within this category displays.
4. Tap the Maps icon to launch the related maps feature.
5. Touch  **Menu** and then tap **Add a search**. The functions adds additional search shortcuts to the places screen.

Play Books

Formerly known as Google Books, this application allows you to read over 3 million ebooks on the go.

Build your ebooks library in the cloud with Play Books: jump right into a bestseller or select from nearly 3 million free ebooks. Personalize the reader to your liking, pick up reading where you left off on your phone or computer, and settle down with a great book on your Android phone!

1. From the Home screen, select  **Applications →**
 **Play Books**.
2. If prompted, tap **Turn sync on**. This synchronizes your books you have previously selected between your Books account and your device.
3. Tap  to begin searching for both free and paid ebooks.



4. Follow the on-screen prompts to download the ebook to your device.

Play Store

Formerly known as the “Android Market”, this application provides access to downloadable applications and games to install on your phone. The Play Store also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone.

Before using the Play Store, you must have a Google Account.

Accessing the Play Store

1. From the Home screen, select  **Applications →**
 **Play Store**.
2. If not already logged in with your Google account, tap **Next**.
3. Tap **Sign in** and enter your Google account information.
4. Tap **Accept** to agree to the Play Store terms of service.

Important! If the selected application requires access to data or control of a function on your phone, Play Store displays the information the application will access.

Tap **OK** if you agree to the conditions of the application. Once you tap **OK** on this screen you are responsible for using this application on the phone and the amount of data it uses. Use this feature with caution.

Downloading a New Google Application

To download a new application, you will need to use your Google account to sign in to the Play Store. The home page provides several ways to find applications. The home page features applications and includes a list of item applications by category, a list of games, a link to search, and a link to My apps.

1. From the Home screen, select  **Applications** →



Play Store.


2. Browse through the categories, find an application you're interested in, and tap the name.
3. Read the application descriptions.

Important! If the selected application requires access to data or control of a function on your device, the Play Store displays the information the application will access.

Tap **OK** if you agree to the conditions of the application. Once you tap **OK** on this screen you are responsible for using this application on the device and the amount of data it uses. Use this feature with caution.


4. Tap **Install** → **Accept & download**.

Note: Use caution with applications which request access to any personal data, functions, or significant amounts of data usage times.

5. If prompted, follow the on-screen instructions to pay for the application.
6. Check the progress of the current download by opening the Notifications panel.
7. After the item is downloaded and installed on your phone, the content download icon  appears in the notification area of the status bar.

Tip: The newly downloaded applications display in the applications list and are shown in alphabetical order if the View Type is set to Alphabetical grid or Alphabetical list, or at the end of the list if View type is set to Customizable grid.

A data plan is required to use this feature. Charges may apply. Please contact your service provider for further details.

8. On the Play Store screen, touch  **Menu** and then tap **My Apps**, tap the installed application in the list, and then tap **Open**.

Tip: The newly downloaded applications display in the applications list and are shown in alphabetical order if the View Type is set to Alphabetical grid or Alphabetical list, or at the end of the list if View type is set to Customizable grid.

Note: A data plan is required to use this feature. Charges may apply. Please contact your service provider for further details.



— or —

Tap to search for an application.

Search


Also known as “Google Search” is a web-based search engine that uses text-based queries to search for content on web pages.

Tip: Google Search is available as a Widget. For information about displaying widgets on the Home screen, see “*Adding Widgets to the Home screen*” on page 21.

- From the Home screen, select  **Applications →**
 **Search.**

Settings

Configure your phone to your preferences. For more information, see “*Settings*” on page 108.



- From the Home screen, touch  **Applications →**
 **Settings.**

Talk

Google Talk™ is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts.

This application also allows for video calling to other compatible devices where the user is both logged in to Gmail and using this same application.

Note: Before using this application, you must first have an active Gmail account available and be currently logged in.

1. From the Home screen, touch  **Applications →**  **Talk.**



Note: Before beginning to use this application, log into your Google account.

2. Begin using Google Talk.

Note: The network confirms your login and processes. This could take up to 5 minutes to complete.



Task Manager

View and manage active applications on your phone. For more information, see “*Task Manager*” on page 10.

- From the Home screen, touch  **Applications** →  **Task manager.**



ThinkFree Office

ThinkFree Office Mobile for Android™ is a Microsoft Office®-compatible office suite, that provides a central place for managing your documents on and off line.

- From the Home screen, touch  **Applications** →  **ThinkFree Office.**

Video Player



View and manage videos stored on an optional installed memory card, or shop for new videos.

- From the Home screen, touch  **Applications** →  **Video Player.**


Voice Commands


Voice Commands is advanced speech recognition software that recognizes your spoken commands to dial phone numbers, create messages, and launch phone features such as Contacts, Calendar and My Music.

To use Voice Commands, speak naturally into your phone, at a distance of 3-12 inches. There is no need to “train” Voice Commands, it is designed to recognize natural speech.

- From the Home screen, touch  **Applications** →  **Voice Commands.**



Note: At each step, Voice Commands displays a list of available commands. If Voice Commands does not recognize your command, it will prompt you to confirm.

Tip: Touch  **Menu** → **Tutorial** at any time to display helpful tips for using Voice Commands.

Touch  **Menu** → **Settings** at any time to configure the application settings.

Call <Name or #>

Place a call by speaking a contact name or telephone number.

1. From the Home screen, touch  **Applications** →  **Voice Commands**.
2. At the audio prompt “**Say a command**”, say “**Call**”, followed by:
 - “<**A Contact Name**>”, to call the default telephone number for a contact. or, say “**Call**”, followed by the type of number label.
 - “<**Telephone Number**>” to dial phone number.
3. Follow the prompts to confirm your selection and place the call.

Send <Text, Picture, or Video>

Create a new message by speaking the type of message and the recipient(s).

1. From the Home screen, touch  **Applications** →  **Voice Commands**.

2. To send a text message, at the audio prompt “**Say a command**”, say “**Send Text <Name or #>**”.

— or —

To send a text message, at the audio prompt “**Say a command**”, say “**Send Picture <Name or #>**”.


— or —

To send a text message, at the audio prompt “**Say a command**”, say “**Send Video <Name or #>**”.

3. At the prompt, say the contact name or telephone number.
4. The new message opens, with the To: field populated with your selection(s). Continue creating the message. For more information, see “*Messaging*” on page 58.

Lookup <Name>

Access an application by speaking the application name.

1. From the Home screen, touch  **Applications** →  **Voice Commands**.
2. At the audio prompt “**Say a command**”, say “**Lookup**”, followed by the name of the contact, for example, “**Kate**”.

Go To <Menu>

Access an application by speaking the application name.

1. From the Home screen, touch  **Applications** →  **Voice Commands**.
2. At the audio prompt “**Say a command**”, say “**Go to**”, followed by the name of a menu item, for example, “**Phone**”, “**Messaging**”, “**Calendar**”, “**Settings**”, “**Browser**”, “**My Files**” or “**Music Player**”.



Play <Playlist>

Launch My Music and start playback of a saved playlist.

1. From the Home screen, touch  **Applications** →  **Voice Commands**.
2. At the audio prompt “**Say a command**”, say “**Play**”, followed by the name of a stored playlist.

Check <Item>

Access device information by speaking the command.

1. From the Home screen, touch  **Applications** →  **Voice Commands**.
2. At the audio prompt “**Say a command**”, say “**Check**”, followed by a command:
 - **Status**: Displays and announces all phone status indicators.
 - **Vicemail**: Displays and announces the number of new voicemail messages.
 - **Messages**: Displays and announces the number of new Text, Picture and Voice messages.
 - **Missed Calls**: Displays the missed call log.
 - **Time**: Displays and announces the current time.
 - **Signal Strength**: Displays and announces the current 1x signal strength level.
 - **Network**: Displays Network: Provider Coverage.
 - **Battery**: Displays and announces the current battery level.
 - **My Phone Number**: Displays and announces your phone number.
 - **Volume**: Displays and announces the current volume level.



Voice Commands Settings

Configure the Voice Commands feature of your phone.

1. From the Home screen, touch  **Applications** →  **Voice Commands**.
2. Touch  **Menu** → **Settings** and select a setting for customization:
 - **Confirmation:** Control when the system asks you to confirm a name or number. Select **Automatic**, **Always Confirm**, or **Never Confirm**.
 - **Adaptation:** Train Voice Commands to recognize your voice. Choose **Adapt Voice**, then follow the audio prompts.
 - **Audio Modes:** Set the level of audio assistance: **Expert Mode**, **Prompt Mode**, or **Readout Mode**.
 - **About:** View information about Voice Commands.



Voice Recorder

Record your voice or other sounds, and share recordings via Bluetooth, Messaging, or Gmail.

- ▶ From the Home screen, touch  **Applications** →  **Voice Recorder**.

Voice Search

Voice Search offers voice-activated Google searches.

1. From the Home screen, touch  **Applications** →  **Voice Search**.
2. Voice Search uses your location to improve search results and offer other services. Touch **Agree** to allow location-based searches, or **Disagree** to disallow.
3. At the **Speak now** prompt, speak your search criteria slowly and clearly. Google searches for the information and displays results.

Write & Go

Capture ideas as a text note, then choose a format for sending via Gmail, saving to the Calendar or as a memo, or use it to update your Facebook, MySpace, or Twitter status.



1. From the Home screen, touch  **Applications** →

 **Write & Go.**


2. Compose a text note, then use the following options:
 - **Send:** Create a new text message or email containing the note.
 - **Update status:** Log in to post the note to update your status on Facebook, MySpace, or Twitter.
 - **Save:** Save the note as an event in Calendar, or as a Memo.

YouTube

YouTube is a video sharing website on which users can upload and share videos, and view them in MPEG-4 format.

1. From the Home screen, select  **Applications** →  **YouTube.**
2. When the screen loads you can begin searching and viewing posted videos.

To configure YouTube Settings:

- Touch  **Menu** → **Settings** and configure the following parameters:
 - **General settings**
 - **High quality on mobile**, when enabled, allows you to start all videos in high quality mode while you are connected to a mobile network.
 - **Caption font size** allows you to set the font size used by on-screen captions. Choose from: Small, Medium, Large, or Extra Large.
 - **Uploads** specifies network preferences for uploads.
 - **Search settings**
 - **Clear search history** allows you to clear previous YouTube searches from showing up in the YouTube search box.

- **SafeSearch filtering** allows you to configure block settings for videos containing restricted content. This option blocks these videos from appearing within your search results. Choose from: Don't filter, Moderate, or Strict blocking.

- **About**

- **Help** provides answers to most YouTube questions.
- **Feedback** allows you to provide user feedback to YouTube.
- **Google Mobile Terms of Service**
- **YouTube Terms of Service**
- **Google Mobile Privacy Policy**
- **YouTube Privacy Policy**
- **Open source licenses**
- **Application version** displays the software version for the current YouTube application.


To watch a high quality video:



1. From the Home screen, select  **Applications** →  **YouTube**.
2. Touch  **Menu** → **Settings** → **High quality on mobile**.

Section 12: Settings

This section explains Settings for customizing your phone.

Accessing Settings

- ▶ From the Home screen, touch  **Menu** → **Settings**.
– or –

From the Home screen, touch  **Applications** →  **Settings**.

Wireless & network

Control your phone's wireless connections.


Wi-Fi Settings

Set up and manage Wireless Access Points (WAPs). Your phone supports Wi-Fi b/g/n.

Turning Wi-Fi On or Off


Turn your phone's Wi-Fi service on or off. When you turn Wi-Fi service on, your phone automatically searches for available, in-range Wireless Access Points (WAPs).

Tip: When you turn Wi-Fi service on, your phone automatically searches for available networks, and displays them under Detected Networks.

1. From the Home screen, touch  **Menu** → **Settings** → **Wireless & network** → **Wi-Fi settings**.
2. Touch **Wi-Fi** to turn Wi-Fi On or Off. When on, a check appears in the checkbox.


Wi-Fi Network Settings

Set up and manage wireless access points.


1. From the Home screen, touch  **Menu** → **Settings** → **Wireless & network** → **Wi-Fi settings**.
2. Touch settings to configure:
 - **Add Network:** Manually add a new Wi-Fi connection.
 - **Manage Networks:** Manage your saved network settings.
 - **Search:** Scan for available Wireless Access Points.
 - **Advanced:** View and configure Wi-Fi settings for your phone.

Network Notification

By default, when Wi-Fi is on, you receive notifications in the Status bar anytime your phone detects an available Wi-Fi network. You can deactivate this feature if you do not want to receive notifications.

1. From the Home screen, touch  **Menu** → **Settings** → **Wireless & network** → **Wi-Fi settings**.
2. Tap **Network notification**. A check mark displayed next to the feature indicates Network notification is active.
3. Tap **Network notification** again to remove the check mark and deactivate this feature.

Advanced Wi-Fi settings

1. From the Home screen, touch  **Menu** → **Settings** → **Wireless & network** → **Wi-Fi settings**.
2. Touch **Advanced** for these options:
 - **Wi-Fi sleep policy:** Specify when to switch from Wi-Fi to mobile data for data communications. This setting can affect the behavior of devices you connect to your phone.
 - **MAC address:** View your phone's MAC address, needed for connecting to some secured networks (not configurable).
 - **Proxy:** Touch to enter a proxy number.
 - **Port:** Touch to enter a port number.
 - **IP Settings:** Enable a Static IP address, and manually configure its settings:
 - **Use static IP:** Touch to use a static IP. When enabled, a check mark appears in the checkbox.
 - **IP address:** When using a static IP, enter the IP address.
 - **Gateway:** When using a static IP, enter the Gateway.
 - **Netmask:** When using a static IP, enter the Netmask.
 - **DNS 1:** When using a static IP, enter the DNS 1 value.
 - **DNS 2:** When using a static IP, enter the DNS 2 value.

Bluetooth Settings

Your phone supports Bluetooth® 3.0.

Bluetooth profiles

Bluetooth profiles are specifications for services supported by individual devices. Profiles improve the ability of different devices to work together. Your phone supports these Bluetooth profiles:

- **Headset:** HSP v1.1 profile supports use of a compatible Bluetooth headset for mono voice.
- **Handsfree:** HFP v1.5 profile supports Bluetooth headsets, and may also support other installed compatible Bluetooth devices with speakerphone capabilities.
- **Stereo:** A2DP v1.0, AVRCP v1.0, GAVDP and AVDTP profiles support delivery of stereo audio to a compatible Bluetooth device.
- **Phonebook Access:** PBAP v1.0 profile allows sharing of multiple name card and phonebook entries with a compatible Bluetooth device.
- **Object Push:** OPP v1.1 profile allows sending and receiving of contact name cards (vCard 2.1) and calendar events (vCalendar) between devices.


Note: This device does not support all Bluetooth profiles.

For vehicle/accessory compatibility, contact your service provider.

Bluetooth settings

Manage Bluetooth connections, set your device's name, and control your device's visibility to other devices.

Note: Bluetooth must be turned On to access Bluetooth settings.


1. From the Home screen, touch  **Menu** → **Settings** → **Wireless & network** → **Bluetooth settings**.
2. Touch a setting to configure Bluetooth:
 - **Bluetooth:** Touch to turn Bluetooth On or Off. When On, a check appears in the checkbox.
 - **Device name:** Your device's default name appears on screen. Touch to change the device name. Available when Bluetooth is turned On.
 - **Discoverable:** Control your phone's discoverability (visibility) to other devices' Bluetooth searches. Touch to turn On or Off. Available when Bluetooth is turned On.

Note: Your device visibility is based on the time set within the Discoverable time-out field (2 Minutes, 5 Minutes, 1 Hour, or Never). This value appears as a countdown within this Discoverable time-out field.

- **Scan devices:** Touch to scan for nearby discoverable devices. After searching, touch a device to pair with it. For more information, see “*Pairing with a Bluetooth Device*” on page 82.

Airplane mode


When airplane mode is activated, all your phone's wireless connections are disabled, and you cannot make or receive calls or messages or connect to networks. While in airplane mode, you can use other features of your phone, such as playing music, watching videos, or other applications.

1. From the Home screen, touch  **Menu** → **Settings** → **Wireless & network**.
2. Touch **Airplane mode** to activate or deactivate airplane mode. When activated, a check appears in the checkbox.

VPN settings

Set up and manage Virtual Private Networks (VPNs). For more information about using VPNs, see “VPN” on page 83.


Adding a VPN

1. From the Home screen, touch  **Menu** → **Settings** → **Wireless & networks** → **VPN settings**.
2. Touch **Add VPN** to set up a connection to a VPN, using the following settings:
 - **Add PPTP VPN:** Set up a connection to a VPN with Point-to-Point tunneling protocol.
 - **Add L2TP VPN:** Set up a connection to a VPN with Layer 2 tunneling protocol.
 - **Add L2TP/IPSec PSK VPN:** Set up a connection to a VPN with pre-shared key-based Layer 2/IPsec tunneling protocol.
 - **Add L2TP/IPSec CRT VPN:** Set up a connection to a VPN with Certificate-based Layer 2/IPsec tunneling protocol.

Mobile networks

Set options for network selection and data services while roaming.

Important! Depending on your service plan, changes you make to Mobile Networks settings may incur extra charges. Consult your service provider for more information.

1. From the Home screen, touch  **Menu** → **Settings** → **Wireless & network** → **Mobile networks**.
2. Set these options:
 - **Data enabled:** Enable or disable connection to data services.
 - **Data roaming:** Enable or disable connection to data services when your device is roaming on another network. For more information about roaming, see “*Roaming*” on page 9.
 - **System selection:** Change the roaming mode for CDMA networks.
 - **Home only:** Restrict your phone to your home network’s coverage area. When outside the coverage area, your phone will not roam, and call functions and other wireless features will not be available.
 - **Automatic A:** Allow your phone to automatically acquire service based on default settings, using the network of your service provider and the networks of roaming partners.
 - **Automatic B:** Allows another roaming mode option.

Call settings

Voicemail


Voicemail service

By default, calls you do not answer are sent to your carrier’s voicemail system. If you subscribe to other voicemail services, you can set the default service.

- From the Home screen, touch  **Menu** → **Settings** → **Call settings** → **Voicemail service**.

Voicemail


By default, the speed dial number for calling your carrier’s voicemail is *86. You can modify this to set a special speed dial number for accessing voicemail.


1. From the Home screen, touch  **Menu** → **Settings** → **Call settings** → **Voicemail**.
2. Use the touch keypad to modify the default voicemail number.

Other call settings

Ignore with message

Create messages to use when rejecting incoming calls. For more information, see *“Ignoring a call with a message”* on page 33.

1. From the Home screen, touch  **Menu** → **Settings** → **Call settings** → **Ignore with message**.
2. Touch **Create**.
3. Enter the message text, then touch **Save**.

Note: To erase messages, touch  **Menu** → **Delete**.

North American dialing

When enabled, replaces + with International dialing code except + 1.

International Dialing


Allows you to set international dialing code.

View call timer

Displays the following: Last call, Outgoing Calls, Incoming Calls, Roaming Calls, All calls, Last Reset, Lifetime Calls.


Auto retry

When enabled, your phone will automatically re-attempt a call when it encounters a busy signal from the network.

1. From the Home screen, touch  **Menu** → **Settings** → **Call settings**
2. Touch **Auto retry** to enable or disable automatic call retry. When enabled, a check mark appears in the checkbox.

DTMF Tones

Set the length of DTMF (Dual Tone Multiple Frequency) tones that your phone sends. DTMF tones are used as input by some automated call systems.

1. From the Home screen, touch  **Menu** → **Settings** → **Call settings** → **DTMF tones**.
2. Touch **Normal** or **Long**.


TTY Mode

When enabled, TTY Mode allows your phone to work with a TTY device attached to the Headset Jack. Before using your phone with a TTY device, you'll need to enable TTY Mode.

1. From the Home screen, touch  **Menu** → **Settings** → **Call settings** → **TTY mode**.
2. Touch **TTY Off**, **TTY Full**, **TTY HCO**, or **TTY VCO**.

Voice privacy

When enabled, Voice privacy encrypts your voice calls for enhanced privacy.

1. From the Home screen, touch  **Menu** → **Settings** → **Call settings**.
2. Touch **Voice privacy** to enable or disable voice privacy.
When enabled, a check mark appears in the check box.

Auto Answer

Allows you to set the answer option for incoming calls: Off, After 1 Second, After 3 Second, or after 5 Second.

Emergency Number


Set Emergency Numbers for Emergency calls. You can save 911 as your emergency call number or set up to two numbers of your choosing.

Sound settings

General


Silent mode

Temporarily silence all the sounds your phone makes except for media playback and alarms.

1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings**.
2. Touch **Silent mode** to enable or disable silent mode. When enabled, a check mark appears in the check box.

Vibrate


When enabled, your phone vibrates to alert you to new notifications.

1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings**.
2. Touch **Vibrate**, to choose a vibration mode, from **Always**, **Never**, **Only in silent mode**, or **Only when not in silent mode**.

Volume

Set the system volume level, and set default volume for call ringtones, notifications, and media playback.

Note: You can also set System volume from the Home screen by pressing the **Volume Key**.


1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings** → **Volume**.
2. Touch and drag the slider to set **Incoming call volume**.
3. Touch and drag the slider to set **Media volume**.
4. Touch and drag the slider to set **System volume**.
5. Touch and drag the slider to set **Notification volume**.
— or —
Touch **Use incoming call volume for notifications** to match notification volume to incoming call volume.
6. Touch **OK** to save your setting.

Incoming calls

Voice call ringtone

Choose a default ringtone for all incoming calls.

Tip: You can also set songs as ringtones for all calls, or for a selected contact. For more information, see “*Setting a Song as a Ringtone*” on page 73.


1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings** → **Voice call ringtone**.
2. Touch a ringtone to hear a sample and select it.
3. Touch **OK** to save the setting.

Notifications

Notification ringtone

Select a default ringtone for message, alarm, and other notifications.


Tip: You can also set songs as alarm ringtones. For more information, see “*Setting a Song as a Ringtone*” on page 73.

1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings** → **Notification ringtone**.
2. Touch a ringtone to hear a sample and select it.
3. Touch **OK** to save the setting.

Feedback


Audible touch tones

When enabled, tones play for when you dial numbers on the Phone Dialer.

1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings**.
2. Touch **Audible touch tones** to enable or disable tones. When enabled, a check mark appears in the check box.


Audible selection

When enabled, tones play when you touch the screen for selections (other than the Phone Dialer).

1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings**.
2. Touch **Audible selection** to enable or disable tones. When enabled, a check mark appears in the check box.


Screen lock sounds

When enabled, tones play when unlocking and locking the screen.

1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings**.
2. Touch **Screen lock sounds** to enable or disable tones. When enabled, a check mark appears in the check box.


Haptic feedback

When enabled, the phone vibrates to indicate screen touches and other interactions.

1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings**.
2. Touch **Haptic feedback** to enable or disable vibration. When enabled, a check mark appears in the check box.


Vibration intensity

Set the intensity of vibration for screen touch feedback.

1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings**.
2. Touch **Vibration intensity**, then touch and drag the slider to set Vibration intensity.
3. Touch **OK** to save your setting.

Emergency Tone

You can set your phone to play an alert tone or vibrate during an emergency call (for example, calls to 911).

1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings** → **Emergency tone**.
2. Touch **Alert** or **Vibrate**, or touch **Off** for no emergency tone.

Display settings


Font style

Set the font for screen displays.

1. From the Home screen, touch  **Menu** → **Settings** → **Display settings**.
2. Touch **Font style** to choose a font style, or touch **Get fonts online** to browse and download a new font.


Brightness

Set the default screen brightness.

1. From the Home screen, touch  **Menu** → **Settings** → **Display settings** → **Brightness**.
2. Touch and drag the slider to set the brightness, or touch to enable **Automatic brightness**.
3. Touch **OK** to save the setting.

Auto-rotate screen


When enabled, the screen's orientation changes automatically when you rotate the phone.

1. From the Home screen, touch  **Menu** → **Settings** → **Display settings**.
2. Touch **Auto-rotate screen** to enable or disable automatic screen rotation. When enabled, a check mark displays.

Tip: You can also set the Auto-rotate screen setting on the Notification Panel.


Animation

Set the level of animations for transitions between screens.

1. From the Home screen, touch  **Menu** → **Settings** → **Display settings** → **Animation**.
2. Touch **No animation**, **Some animations**, or **All animations**.


Screen timeout

Set the length of delay between the last key press or screen touch and the automatic screen timeout (dim and lock).

1. From the Home screen, touch  **Menu** → **Settings** → **Display settings** → **Screen timeout**.
2. Touch a setting to select it.

Power saving mode

When enabled, your phone will automatically analyze the screen and adjust the brightness to conserve battery power.

1. From the Home screen, touch  **Menu** → **Settings** → **Display settings**.
2. Touch **Power saving mode** to enable or disable the mode. When enabled, a check appears in the check box.


Location & security

Your phone is defaulted to only acquire your location when you dial 911. To use Location-Based Services, you must first enable location services on your phone.

Location settings control your phone's use of GPS signals. GPS signals may be affected by your surroundings, including: buildings, tunnels or underground structures, poor weather, high-voltage or electromagnetic fields, and tinted windows.

My Location


Google location services

1. From the Home screen, touch  **Menu** → **Settings** → **Location & security**.
2. Touch **Use wireless networks** to enable or disable Google location services. When enabled, a check mark appears in the check box.
 - Since this feature is based on Google's location service, you will need to agree to allow Google to collect anonymous information.
 - Touch **Agree** to accept the terms of service.
3. Touch **Use GPS satellites**.
 - Read the third-party location consent and touch **Agree** to accept the terms of service.

Screen unlock settings

Set screen lock


Choose settings for unlocking your screen. For more information about using the lock and unlock features, see “*Securing Your Phone*” on page 12.

1. From the Home screen, touch  **Menu** → **Settings** → **Location & security**.
2. Touch **Set screen lock/Change screen lock** for these settings:
 - **None**: Touch to disable all screen lock settings.
 - **Pattern**: A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
 - **PIN**: Touch to select a PIN to use for unlocking the screen.
 - **Password**: Touch to create a password for unlocking the screen.

Passwords

Visible passwords


When enabled, password characters will display briefly as you touch them while entering passwords.

1. From the Home screen, touch  **Menu** → **Settings** → **Location & security**.
2. Touch **Visible passwords** to enable or disable brief displays of password characters. When enabled, a check mark appears in the check box.

Device administration

Select device administrators

Add or remove device administrators.


1. From the Home screen, touch  **Menu** → **Settings** → **Location & security**.
2. Touch **Select device administrators**.

Credential storage

Use secure credentials

You can install credentials from an installed memory card, and use the Credential storage settings to allow applications to access the secure certificates and other credentials.


Note: You must have installed encrypted certificates from a memory card to use this feature.

1. From the Home screen, touch  **Menu** → **Settings** → **Location & security**.
2. Touch **Use secure credentials** to enable or disable. When enabled, a check mark appears in the check box.

Install encrypted certificates from SD card


Install encrypted certificates from an installed memory card.

Note: You must have installed a memory card containing encrypted certificates to use this feature.

1. From the Home screen, touch  **Menu** → **Settings** → **Location & security**.
2. Touch **Install encrypted certificates**, then choose a certificate and follow the prompts to install.

Set password


Set or change a password to protect credentials.

1. From the Home screen, touch  **Menu** → **Settings** → **Location & security**.
2. Touch **Set password**, then follow the prompts.

Clear storage

Clear stored credentials and reset the password.

Note: This setting only appears if you have installed encrypted certificates.

1. From the Home screen, touch  **Menu** → **Settings** → **Location & security**.
2. Touch **Clear storage** to clear stored credentials and reset the password.


Applications

You can download and install applications from the Play Store, or create applications using the Android SDK and install them on your phone. Use Applications settings to manage applications on your phone.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.



Unknown sources

When enabled, allows installation of applications from sources other than the Play Store.

1. From the Home screen, touch  **Menu** → **Settings** → **Applications**.
2. Touch **Unknown sources** to enable or disable the setting. When enabled, a check mark appears in the check box.

Manage applications


Manage and remove applications from your phone.

1. From the Home screen, touch  **Menu** → **Settings** → **Applications** → **Manage applications**.
2. Touch an application to view and update information about the application, including memory usage, default settings and permissions.
3. Touch  **Back** to return to Applications settings.

Running services

View and control services running on your phone.



Warning!: Not all services can be stopped, and stopping services may have undesirable consequences on the application or Android System.

1. From the Home screen, touch  **Menu** → **Settings** → **Applications** → **Running services**.
2. To stop a service, touch the service, then touch **Stop** at the confirmation prompt. When you stop the process the service or application will no longer run until you start the process or application again.

Important!: Stopping a process might have undesirable consequences on the application.



Storage Usage

This option allows you to view a list of the memory usage for currently active applications.

1. From the Home screen, touch  **Menu** → **Settings** → **Applications** → **Storage usage**. The All tab is opened and displays a list of the current applications.
2. Touch  **Menu** and then tap **Sort** to change the list from being sorted alphabetically.

Battery Usage

This option allows you to view a list of those components using battery power.

1. From the Home screen, touch  **Menu** → **Settings** → **Applications** → **Battery usage**.
2. Touch  **Menu** and then tap **Refresh** to update the list.
– or –
Tap an entry to view more detailed information.


Development

Set options for application development.

USB debugging

When enabled, allows debugging when the phone is attached to a PC by a USB cable.


Note: This setting is used for development purposes.

1. From the Home screen, touch  **Menu** → **Settings** → **Applications** → **Development**.
2. Touch **USB debugging** to enable or disable the setting.
When enabled, a check mark appears in the check box.

Allow mock locations

This setting is used by developers when developing location-based applications.

Note: This setting is used for development purposes.

1. From the Home screen, touch  **Menu** → **Settings** → **Applications** → **Development**.
2. Touch **Allow mock locations** to enable or disable the setting. When enabled, a check mark appears in the box.

Accounts & sync


Set up and manage accounts, including your Google and Backup Assistant accounts.

General sync settings

Background data


When enabled, all accounts can sync, send, and receive data at any time, in the background.

Important!: Disabling background data can extend battery life and lower data use. Some applications may still use the background data connection, even if this setting is disabled.

1. From the Home screen, touch  **Menu** → **Settings** → **Accounts & sync**.
2. Touch **Background data** to enable or disable the setting.
When enabled, a check mark appears in the check box.

Auto-sync


When enabled, all accounts sync data at any time, automatically.

1. From the Home screen, touch  **Menu** → **Settings** → **Accounts & sync**.
2. Touch **Auto-sync** to enable or disable the setting. When enabled, a check mark appears in the check box.

Manage accounts


Use Manage accounts to set up and configure your accounts.

Note: Available settings depend on the type of account. Not all settings are available for all accounts.

1. From the Home screen, touch  **Menu** → **Settings** → **Accounts & sync**.
2. Under **Manage accounts**, touch the account to modify its settings.

Tip: For more information about managing accounts, see “*Setting Up Your Accounts*” on page 35.


Adding an account

1. From the Home screen, touch  **Menu** → **Settings** → **Accounts & sync**.
2. Under **Manage accounts**, touch **Add account** and follow the prompts to enter your credentials and set up the account.

Tip: For more information about adding accounts, see “*Setting Up Your Accounts*” on page 35.

Removing an account

Important!: Removing an account also deletes all of its messages, contacts and other data from the phone.

1. From the Home screen, touch  **Menu** → **Settings** → **Accounts & sync**.
2. Touch an account to display its settings.
3. Touch **Remove account**, then touch **Remove account** at the prompt to remove the account and delete all its messages, contacts and other data.


Privacy

Use Privacy settings to manage use of personal information by your phone.

Personal Data

Factory data reset


Use Factory data reset to return your phone to its factory defaults. This setting erases all data from your phone, including your Google or other email account settings, system and application data and settings, and downloaded applications. It will not erase current system software and bundled applications, or files stored on an optional installed memory card, such as music or photos.

1. From the Home screen, touch  **Menu** → **Settings** → **Privacy**.
2. Touch **Factory data reset**, then follow the prompts to perform the reset.

Storage

Manage the use of memory resources in your phone's internal memory, and on an optional installed memory card.

External SD card

1. From the Home screen, touch  **Menu** → **Settings** → **Storage**.
2. View **Total space** and **Available space** memory usage on an installed memory card (not user-configurable).
3. Touch **Unmount SD card** to prepare the memory card for safe removal or formatting. For more information, see *"Removing a Memory Card"* on page 11.
4. Touch **Erase SD card** to erase the memory card and prepare it for use with your phone. For more information, see *"Formatting a Memory Card"* on page 83.

Internal phone storage

View memory usage for your phone's 1.18GB internal memory.


Note: This setting cannot be configured.

- From the Home screen, touch  **Menu** → **Settings** → **Storage**.

Language & keyboard



Select locale

Set the language used by your phone's screens.

1. From the Home screen, touch  **Menu** → **Settings** → **Language & keyboard** → **Select locale**.
2. Touch a language/locale from the list.


User Dictionary

When you enter text, the predictive text features of Swype and Android keyboard suggest words matching your key touches. If predictive text often predicts the wrong word, or you have special words that you enter often, add them to the User dictionary.

1. From the Home screen, touch  **Menu** → **Settings** → **Language & keyboard**.
2. Touch **User dictionary**.
 - To add a word, touch  **Menu** → **Add**.
 - To edit a word, touch the word, then select **Edit**.
 - To delete a word, touch the word, then select **Delete**.

Input method

Choose the default method for entering text.


1. From the Home screen, touch  **Menu** → **Settings** → **Language & keyboard**.
2. Touch **Select input method** to select a default text entry mode.

Text settings

Configure text entry options to your preferences.

Swype

Configure Swype settings. Swype is a new way to enter text by gliding your finger over the characters on the keyboard. For more information, see *“Entering Text Using Swype”* on page 54.

1. From the Home screen, touch  **Menu** → **Settings** → **Language & keyboard** → **Swype**.
2. Tap **Select Input Method** to switch between keyboard types. Choose from either Android keyboard, Samsung keypad or Swype.
3. Tap **How to Swype** to view an on-screen manual for Swype.
4. Tap **Personal Dictionary** to access and manage your personal dictionary.

5. Tap **Preferences** to alter these settings:

- **Audio feedback:** turns on sounds generated by the Swype application.
- **Vibrate on keypress:** activates a vibration sensation as you enter text using the keypad.
- **Show tips:** turns on a flashing indicator for quick help.
- **Auto-spacing:** automatically inserts a space between words. When you finish a word, just lift your finger or stylus and start the next word.
- **Auto-capitalization:** automatically capitalizes the first letter of a sentence.
- **Show complete trace:** once enabled, sets whether or not to display the complete Swype path.
- **Word suggestion:** suggests words as you are typing.
- **Speed vs. accuracy:** sets how quickly Swype responds to on-screen input. Move the slider between **Fast Response** (speed) or **Error Tolerant** (accuracy) and tap **OK**.
- **Reset Swype's dictionary:** once enabled, deletes any words you have added to Swype's dictionary.


6. Locate the **About** section to review the Swype application information:

- **Version:** lists the Swype version number.

7. Tap **Language Options** to activate and select the current text input language. Default language is US English.

Android keyboard

Configure Android keyboard settings. For more information about entering text with the Android keyboard, see *“Entering Text Using the Android Keyboard”* on page 50.

1. From the Home screen, touch  **Menu** → **Settings** → **Language & keyboard** → **Android keyboard**.
2. Touch items to enable or disable these settings:
 - **Vibrate on keypress:** When enabled, the phone vibrates for each key press.
 - **Sound on keypress:** When enabled, a sound plays for each key press.
 - **Popup on keypress:** Enable or disable popup on keypress.
 - **Touch to correct words:** Touch entered words to correct them.
 - **Auto-capitalization:** When enabled, automatically capitalizes the first letter of the first word in a sentence.
 - **Show settings key:** Select Automatic, Always show, or Always hide.
 - **Voice input:** Voice Input is an experimental feature using Google's networked speed recognition. When enabled, the Voice input key appears on the Android keyboard. To use Voice input, touch the Voice input key, or slide your finger over the keyboard.
 - **Input languages:** Choose available languages.


Tip: When you have enabled more than one language, you can slide your finger on the space bar when entering text to switch between languages.

- **Word suggestion settings:**

- **Quick fixes:** When enabled, corrects common mistakes.
- **Show suggestions:** When enabled, displays suggested words while entering text.
- **Auto-complete:** When enabled, touching the spacebar or a punctuation character automatically inserts the highlighted suggested word.

Samsung keypad

Configure Samsung keypad settings.

1. From the Home screen, touch  **Menu** → **Settings** → **Language & keyboard** → **Samsung keypad**.
2. Touch items to enable or disable these settings:
 - **Portrait keypad types:** Choose between Qwerty Keypad and 3 x 4 Keypad.
 - **Input languages:** Select languages for the Samsung keypad.
 - **XT9:** Enable XT9 predictive text to have XT9 suggest words matching your text entries and, optionally, complete common words automatically.

- **XT9 advanced settings:** Choose options when XT9 is enabled.
 - **Word completion:** Enable for XT9 to automatically complete words matching your text entries.
 - **Word completion point:** Choose the number of letters XT9 will use to predict words for automatic completion.
 - **Spell correction:** Enable for automatic spelling check and correction.
 - **Next word prediction:** When enabled, the system predicts the next word based on common usage patterns.
 - **Auto-append:** When enabled, automatically appends a term or phrase.
 - **Auto-substitution:** When enabled, XT9 automatically replaces words you enter with words from the XT9 autosubstitution list.
 - **Regional correction:** When enabled, XT9 automatically changes the spelling of words based on norms for your locale.
 - **Recapture:** When enabled, XT9 re-displays matching words when you make corrections to a word inserted automatically.
 - **XT9 my words:** Add words to your XT9 predictive text dictionary.
 - **XT9 auto-substitution:** Manage the list of words XT9 uses for auto-substitution.
- **Keypad sweeping:** Enable or disable keypad sweeping.
- **Auto-capitalization:** When enabled, automatically capitalizes the first letter of the first word in a sentence.
- **Voice input:** Enable or disable text entry by speaking words using Google's networked speech recognition feature.
- **Auto-full stop:** Enable or disable Auto-full stop feature.


- **Tutorial:** View a tutorial about using Samsung keypad and XT9 predictive text.

Voice input & output

Use Voice input and output settings to customize your device's voice recognition feature, and audible readout of text, for example, the contents of text messages, and the Caller ID for incoming calls.

Voice input


Voice recognition settings

1. From the Home screen, touch  **Menu** → **Settings** → **Voice input & output**.
2. Touch **Voice recognition settings** to configure:
 - **Language:** Choose a language for your voice input.
 - **SafeSearch:** Set the sensitivity for filtering of explicit images from the results of your voice-input Google searches.
 - **Block offensive words:** Enable or disable blocking of recognized offensive words from your voice-input Google search results.
 - **Personalized recognition:** Enable or disable to improve speech recognition accuracy.
 - **Google Account dashboard:** Enables management of collected data.

Voice output


Text-to-speech settings

Text-to-speech provides audible readout of text, for example, the contents of text messages, and the Caller ID for incoming calls.

1. From the Home screen, touch  **Menu** → **Settings** → **Voice input & output** → **Text-to-speech settings**.
2. Touch a setting to configure:
 - **Text-to-speech settings**
 - **Listen to an example:** Play a sample of speech synthesis (available if voice data is installed).
 - **Driving mode:** When enabled, incoming calls and new notifications will be read out automatically.
 - **Always use my settings:** When enabled, settings you make override the application's default settings.
 - **Default settings**
 - **Default engine:** Choose the default text-to-speech engine application.
 - **Install voice data:** Download and install the speech synthesis data needed to activate Text-to-speech from the Play Store (free).
 - **Speech rate:** Set the speed at which text is spoken.
 - **Language:** Set a language-specific voice for spoken text.
 - **Engines**
 - **Pico TTS:** Configure Pico TTS settings.

Accessibility


Accessibility services are special features to make using the phone easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

1. From the Home screen, touch  **Menu** → **Settings** → **Accessibility**.
2. Touch **Accessibility** to activate or deactivate accessibility services. When activated, a check appears in the box.

Accessibility services


Enable or disable accessibility services.

Note: You must activate the **Accessibility services** setting before enabling services.

1. From the Home screen, touch  **Menu** → **Settings** → **Accessibility**.
2. Touch a service to enable or disable the service. When enabled, a check mark appears in the check box:
 - **KickBack:** When enabled, vibrates for touch actions.
 - **SoundBack:** When enabled, plays tones for touch actions.
 - **TalkBack:** When enabled, recites menu options, application titles, contacts, and other items when scrolling and making selections.


Power button ends calls

Use the Power key setting to enable ending voice calls by pressing the Power/Lock key. When this option is enabled, pressing the Power/Lock key during a call does not lock the screen.

1. From the Home screen, touch  **Menu** → **Settings** → **Accessibility**.
2. Touch **Power button key ends calls** to enable or disable the setting. When enabled, a check mark appears in the check box.

Date & time

By default, your phone receives date and time information from the wireless network. When you are outside network coverage, you may want to set date and time information manually using the Date & time settings.

1. From the Home screen, touch  **Menu** → **Settings** → **Date & time**.
2. Touch a setting to configure:
 - **Automatic:** Touch to enable or disable automatic date and time updates from the wireless network. When enabled, a check appears in the check box.
 - **Set date:** Enter the current date (only available when the Automatic setting is disabled).
 - **Select time zone:** Choose your local time zone (only available when the Automatic setting is disabled).
 - **Set time:** Enter the current time (only available when the Automatic setting is disabled).
 - **Use 24-hour format:** Set the format for time displays.
 - **Select date format:** Set the format for date displays.


About phone

View information about your phone, including status, legal information, hardware and software versions, and a tutorial.

1. From the Home screen, touch  **Menu** → **Settings** → **About phone**.
2. Touch items to view details:
 - **System updates:** Check availability and install updates to your phone.
 - **Status:** View Battery status, Battery level, Phone number, MIN, PRL version, MEID, Network, Signal strength, Mobile network type, Service state, Roaming, Mobile network state, Wi-Fi MAC address, Bluetooth address, and Up time.
 - **Battery use:** Display the processes and applications that are currently running. Touch an item to view details.
 - **Legal information:** Display open source licenses and Google info.
 - **System tutorial:** View a tutorial to help you learn how to use your phone. Follow the prompts to move through the tutorial topics.
 - **Hardware version:** Display the hardware version of your phone.
 - **Model number:** Display your phone's model number.
 - **Firmware version:** Display the firmware version of your phone.
 - **Baseband version:** Display the baseband version of your phone.
 - **Kernel version:** Display the kernel version of your phone.
 - **Build number:** Display your phone's build number.

Setup Wizard

Use the Set-up Wizard to customize your device.

1. From the Home screen, touch  **Menu** → **Settings** → **Setup Wizard**.
2. Follow the prompts to configure these settings:
 - **Integrated contact accounts:** Set up accounts to stay in touch with your contacts:
 - **Facebook**
 - **Twitter**
 - **MySpace**
 - **More accounts:** Configure access to your accounts.
 - **Corporate:** Configure access to your Exchange account.
 - **Google:** Configure access to your Google service. For more information, see *“Adding a Google account”* on page 35.
 - **My Location:** Configure your device's use of location services. For more information, see *“My Location”* on page 119.
 - **Use wireless networks:** Enable or disable location determined by Wi-Fi and/or mobile networks.
 - **Use GPS satellites:** Enable or disable locating accurate to street level (deselect to conserve battery).

Section 13: Health and Safety Information

This section outlines the safety precautions associated with using your phone. The terms “mobile device” or “cell phone” are used in this section to refer to your phone. **Read this information before using your mobile device.**

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data.

Additional information about Interphone can be found at http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at <http://www.ukcosmos.org/index.html>.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at <http://seer.cancer.gov/>.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program:
<http://www.fcc.gov/oet/rfsafety/>.
- Environmental Protection Agency (EPA):
<http://www.epa.gov/radtown/wireless-tech.html>.
- Occupational Safety and Health Administration (OSHA):
<http://www.osha.gov/SLTC/radiofrequencyradiation/>.
(Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH):
<http://www.cdc.gov/niosh/>.
- World Health Organization (WHO):
<http://www.who.int/peh-emf/en/>.
- International Commission on Non-Ionizing Radiation Protection:
<http://www.icnirp.de>.
- Health Protection Agency:
<http://www.hpa.org.uk/Topics/Radiation/>.
- US Food and Drug Administration:
<http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm>.

Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum reported value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body-worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.5 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

- Head: 0.57 W/kg.
- Body-worn: 0.52W/kg.

SAR information on this and other model phones can be accessed online on the FCC's website through <http://transition.fcc.gov/oet/rfsafety/sar.html>. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional SAR information can also be obtained at <http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones>.

FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Smart Practices While Driving

On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired.** Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;

- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to <http://www.ctia.org>.

Battery Use and Safety

Important!: Handle and store batteries properly to avoid injury or damage.
Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery.** Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.
- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source.** Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.
- **Do not dispose of the phone or the battery in a fire.** The phone or the battery may explode when overheated.

- **Do not handle a damaged or leaking battery.** Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.
- **Avoid dropping the cell phone.** Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way.**
- **Do not allow the battery to touch metal objects.** Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Important!: Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers.** Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard.**

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at:

http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp.

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at:

<http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm> or at <http://www.call2recycle.org/>.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to

http://www.samsung.com/us/aboutsamsung/citizenship/usactivities_environment_samsungrecyclingdirect.html?INT=STA_recycle_your_phone_page and follow the instructions to print out a free pre-paid postage label and then send your old mobile

device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect

Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

**FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY
LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE
PROPERTY DAMAGE.**

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the “Standard Limited Warranty”.

GPS & AGPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Certain Samsung mobile devices can also use an Assisted Global Positioning System (AGPS), which obtains information from the cellular network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges, and/or additional charges may apply in accordance with

your service plan. Contact your wireless service provider for details.

Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices which are connected to a wireless network transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. The location-based information may be shared with third-parties, including your wireless service provider, applications providers, Samsung, and other third-parties providing services.

Use of AGPS in Emergency Calls

When you make an emergency call, the cellular network may activate AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and **might not work in your area**. Therefore:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available.

Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances.

Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the mobile device is not on, switch it on.
2. Key in the emergency number for your present location (for example, 911 or other official emergency number).
Emergency numbers vary by location.

3. Press .

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion.

Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution!: Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss.

This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced

hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.

- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300
Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet:

<http://www.audiology.org/Pages/default.aspx>

National Institute on Deafness and Other Communication Disorders

National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:

<http://www.nidcd.nih.gov/>

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200
Patriots Plaza Building
Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4674)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet:

<http://www.cdc.gov/niosh/topics/noise/default.html>

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;

- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: <http://www.fcc.gov/oet/rfsafety/rf-faqs.html#>.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will

not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile

device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

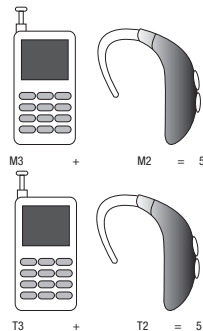
T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of 6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T ratings work similarly.



The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

Cautions

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device.

Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to

the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.

- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.
- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.
- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

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9. **THIRD-PARTY APPLICATIONS.** Certain third-party applications may be included with, or downloaded to this mobile device. SAMSUNG makes no representations whatsoever about any of these applications. Since SAMSUNG has no control over such applications, Purchaser acknowledges and agrees that SAMSUNG is not responsible for the availability of such applications and is not responsible or liable for any content, advertising, products, services, or other materials on or available from such applications. Purchaser expressly acknowledges and agrees that use of third-party applications is at Purchaser's sole risk and that the entire risk of unsatisfactory quality, performance, accuracy and effort is with Purchaser. It is up to Purchaser to take precautions to ensure that whatever Purchaser selects to use is free of such items as viruses, worms, Trojan horses, and other items of a destructive nature. References on this mobile device to any names, marks, products, or services of any third-parties are provided solely as a convenience to Purchaser, and do not constitute or imply an endorsement, sponsorship, or recommendation of, or affiliation with the

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